REDACTED

Proprietary / Confidential Information Removed

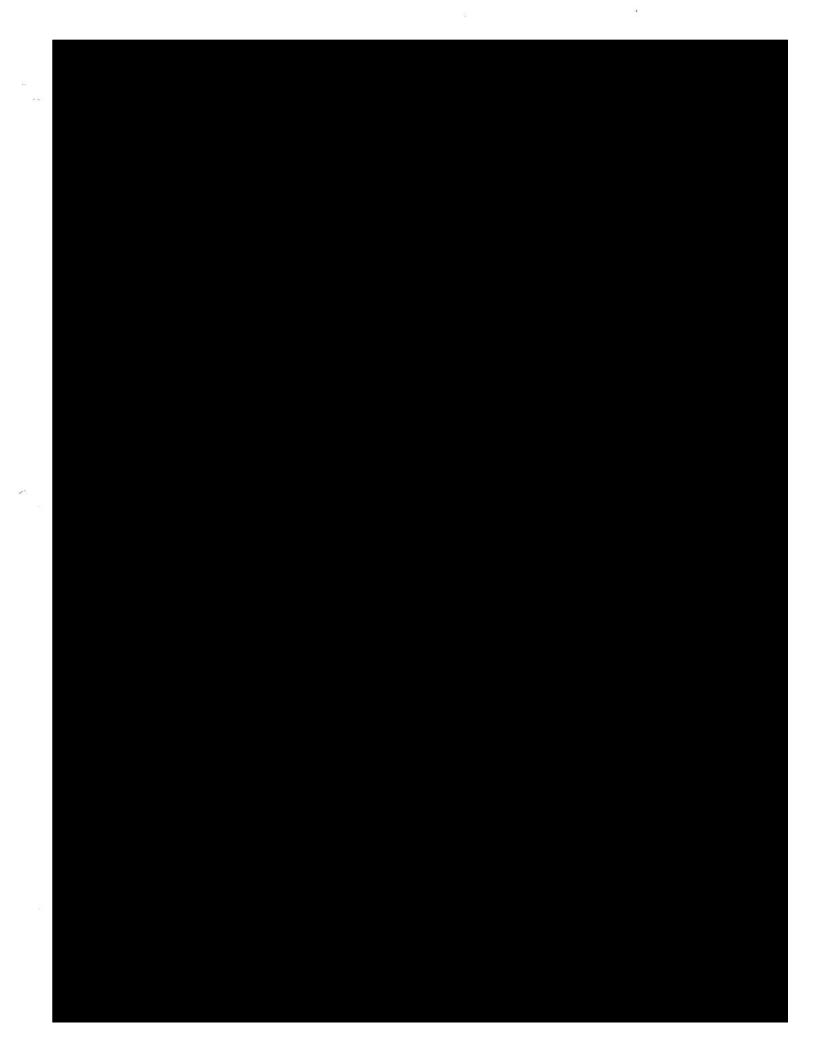


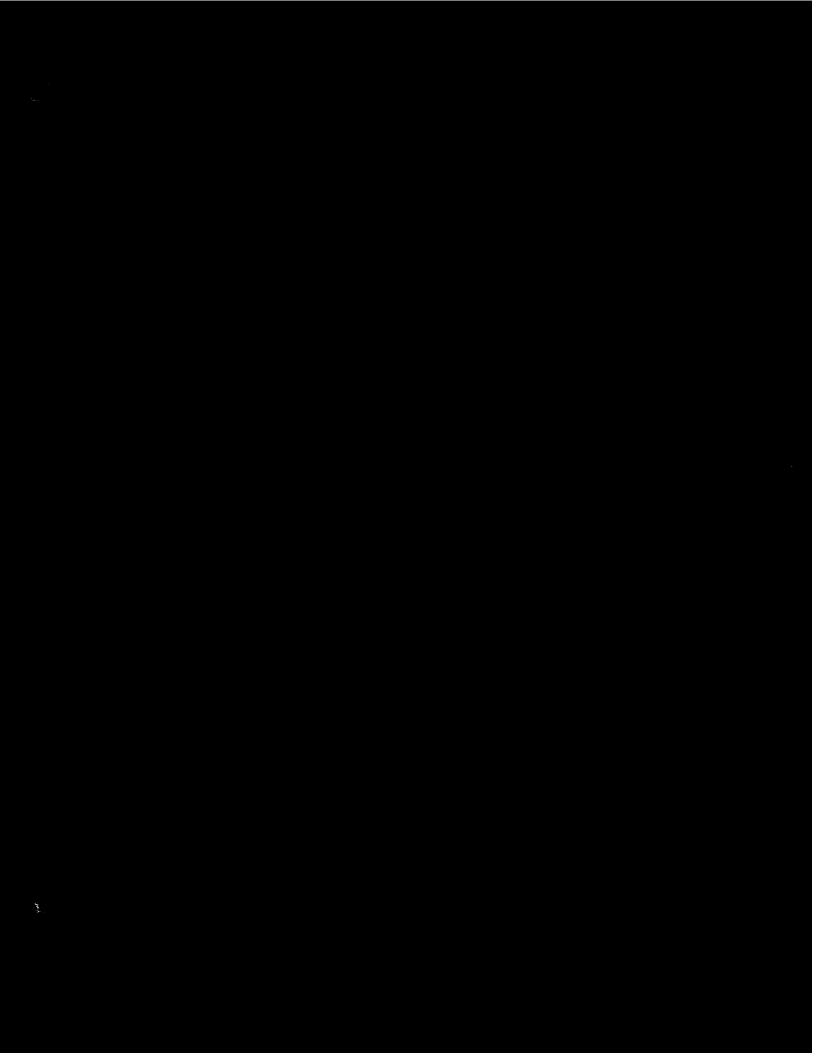
Survival Factors Attachment 4

Midwest Automotive Compliance Testing and Documents

Cranbury, NJ HWY14MH012

(123 Pages)





www.keysafetyinc.com

7000 NINETEEN MILE ROAD STERLING HEIGHTS, MI 48314 (586) 726-3800

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March 30, 2005

LaVanture Products 2912 Dexter Drive Elkhart, IN 46514

Subject: FMVSS Standards

Dear

In reference to our previous conversations, please again, be assured that all the seat belts assemblies which Key Safety and its divisions furnishes to LaVanture and its customers meet and or exceed FMVSS 209 and FMVSS 302 specifications as required for the automotive industry. To meet these codes the installation of the belt assemblies must also be installed per the required FMVSS standards.

In addition, since we supply many of the same belts to the vehicle manufactures (GM, Ford, Chrysler and Toyota) these assemblies meet all-applicable manufacturing requirements required by those companies.

Should you require copies of the independent laboratory reports and customer certifications please contact me at your earliest convenience.

Quality:

Key Safety has conducted test on 6 samples each product manufactured for LaVanture Products (as applicable):

- Servo Sled test vehicle sensitivity
- Tensile Strength
- Buckle and spring cover separation

- Extraction/Retraction efforts
- Tilt Lock
- Top-level dimensional verification

Level 1 PPAP documentation will be prepared and available for your review for each product. In addition, updated FMVSS 209 and FMVSS 302 Independent Laboratory testing will be conducted on each family of parts. As an indication of the quality you can expect, the Greenville, Alabama facility has been operating at a zero PPM quality rating for over a year.

Please be assured that the Greenville, Alabama delivery rating by every major OEM is 100% on time. The Greenville facility is ISO 14001 and QS9000 certified, as are all of our other plants.

Sincerely,

Service and Aftermarket Business Team Leader

Annual Certificate of Conformance

Key Safety Systems, Inc. 201 Industrial Blvd Greenville, Alabama 36037

Hereby certifies that the items denoted herein have been inspected and/or tested to the extent necessary to assure compliance with all the requirements of the noted purchase order, drawing, drawing notes and revisions, or applicable specification(s). Inspection records and test reports, which substantiate this statement, are on file at our facility and will be furnished upon request. This Certification of Conformance will be supplied on an annual basis unless otherwise deemed necessary.

Part Name	
Bkl Asm	E71420000
LaVan BLT/BKL/SLV	E0684401
LaVan BLT/BKL/SLV	E06844NF
LaVan BLT/BKL/SLV	E06844SB
LaVan BLT/BKL/SLV	E06844VE
LaVan BLT/BKL/SLV	E06844VF
LaVan BLT/BKL/SLV	E06844VS
LaVan 2 PT BLT	7804-350
LaVan 2 PT BLT	7804-NF
LaVan 2 PT BLT	7804-SB
LaVan 2 PT BLT	7804-TW
LaVan 2 PT BLT	780 4 -VE
LaVan 2 PT BLT	7804-VF
LaVan 2 PT BLT	7804-VS
LaVan 2 PT BLT	7805-350
LaVan 2 PT BLT	7805-SB
LaVan 2 PT BLT	7805-VS
LaVan 2 PT BLT	7939-350
LaVan 2 PT BLT	7939-VS
LaVan 2 PT BLT	7806-350
LaVan RETR	E1023901
LaVan RETR	E10239NF
LaVan RETR	E10239SB
LaVan RETR	E10239VE
LaVan RETR	E10239VF
LaVan RETR	E10239VS
Anchor Cover	E14977SB
Anchor Cover	E14977VS
LaVan 3 PT ROB	E222440NF
LaVan 3 PT ROB	E222440SB
LaVan 3 PT ROB	E222440VS
LaVan 3 PT ROB	E222450NF
LaVan 3 PT ROB	E222450SB
LaVan ROB RH	E236400SB

Part Name	Part Number
LaVan 3 PT ROB	E222450VS
LaVan BLT/BKL	E222470NF
LaVan BLT/BKI	E222470SB
LaVan BLT/BKI	E222480SB
LaVan BLT/BKI	E223650NF
LaVan BLT/BKI	E223650SB
LaVan BLT/BKI	E223650VS
LaVan BKL/CBL/SLV	E225400NF
LaVan ROB	E2269901
BELT & RTR RH	E232840NF
BELT & RTR LH	E232850SB
BELT & RTR LH	E232850VS
LaVan ROB RH	E232860NF
LaVan ROB RH	E232860SB
LaVan ROB′RH	E232860VS
LaVan ROB LH	E232870NF
LaVan ROB LH	E232870SB
LaVan ROB LH	E232870VS
LaVan Sling ASM	E233790SB
LaVan Sling ASM	E233790VS
LaVan BELT/BKL	E2353901
LaVan ROB RH	E236120SB
LaVan ROB RH	E236120VS
LaVan ROB LH	E236130SB
LaVan FOB	E236140SB
LaVan FOB	E236140VS
LaVan FOB	E236150SB
LaVan FOB	E236150VS
LaVan ROB	E236160SB
LaVan ROB	E236160VS
LaVan ROB	E236170VS
LaVan ROB	E236390SB
LaVan ROB LH	E236390VS
LaVan ROB RH	E236400VS

Annual Certificate of Conformance

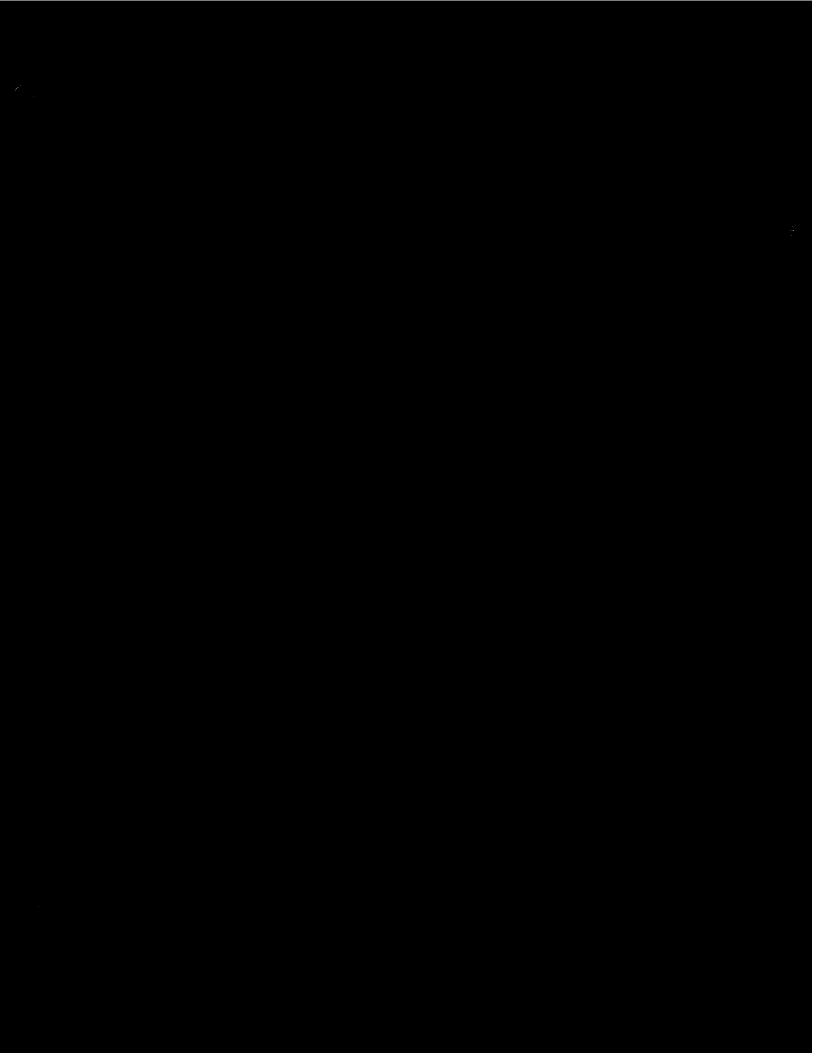
Key Safety Systems, Inc. 201 Industrial Blvd Greenville, Alabama 36037

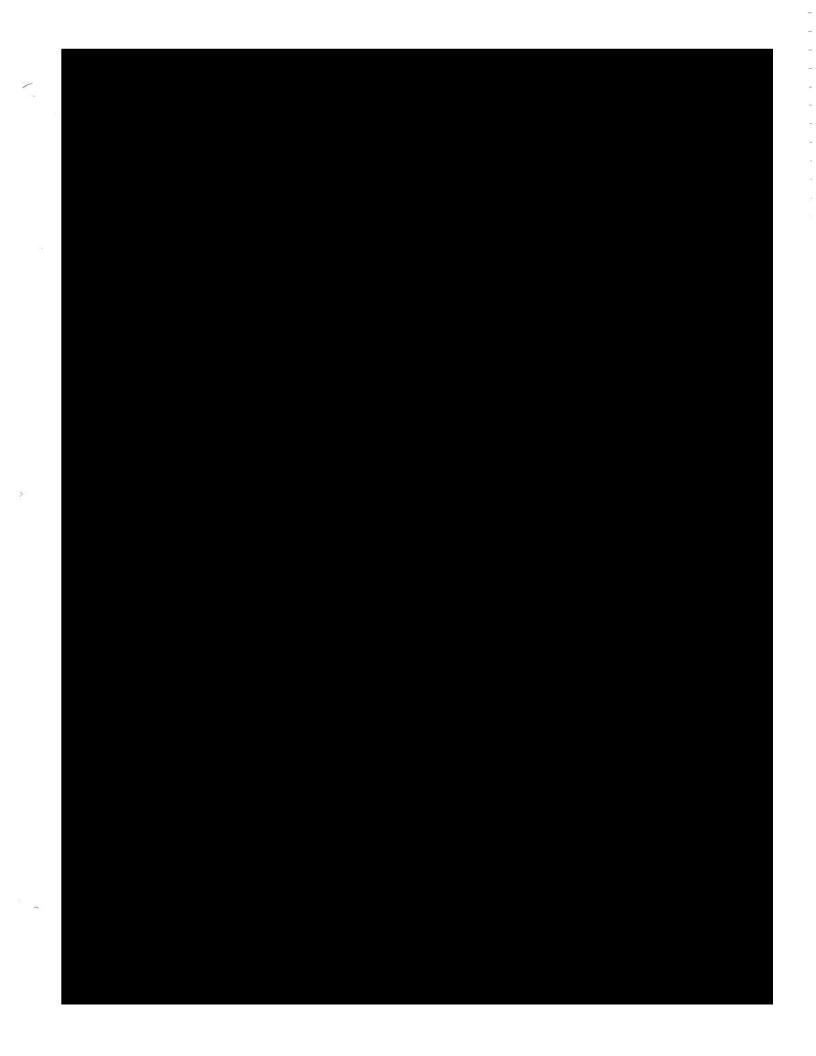
Hereby certifies that the items denoted herein have been inspected and/or tested to the extent necessary to assure compliance with all the requirements of the noted purchase order, drawing, drawing notes and revisions, or applicable specification(s). Inspection records and test reports, which substantiate this statement, are on file at our facility and will be furnished upon request. This Certification of Conformance will be supplied on an annual basis unless otherwise deemed necessary.

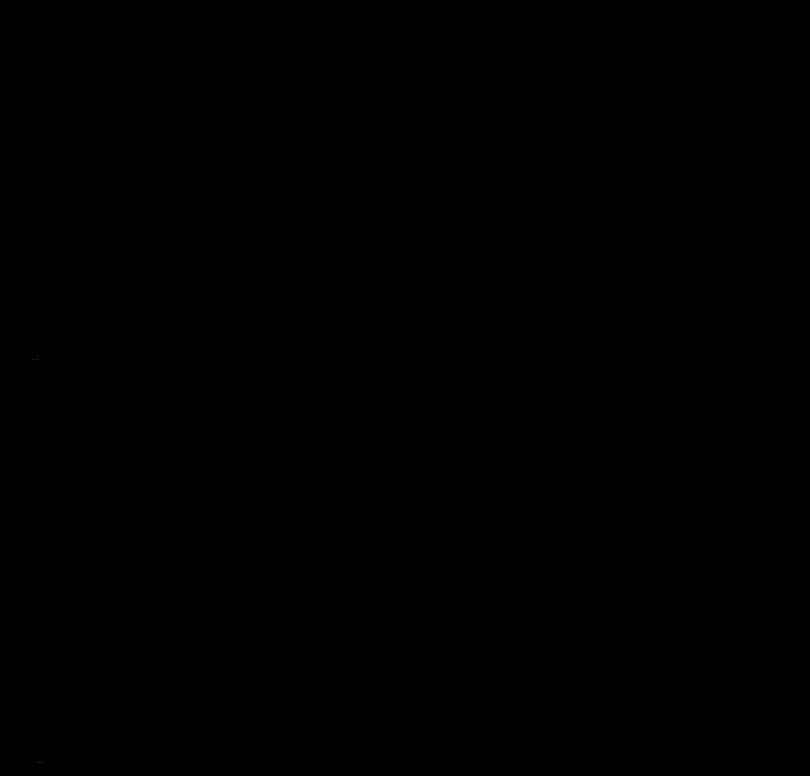
Rart Name	Part Number
GF/BKL RH	E24026NF
GF/BKL RH	E24026SB
GF/BKL RH	E24026VS
GF/BKL LH	E24027SB
GF/BKL LH	E24027VS
Cover Adjust Tongue	E2510901-00
. GF BKL LH	E26521NF
GF BKL LH	E26521SB
GF BKL LH	E26521VS
LaVan F/R/BKL	E2834101-00
LaVan F/R/BKL	E28341SB-01
LaVan F/R/BKL	E28341VS-00
T-800 F/R MR 2000	E338200NF-03
T-800 F/L MR 2000	E338210NF-03
B-VAN RETR ASM	E342460P6
B-VAN BKL/TNG ASM	E3424670S5
LaVan FOB RH	E242480S5
BKL/BKL	E242490S5
JDC BKL RH	E37228NF
JDC BKL RH	E37228SB

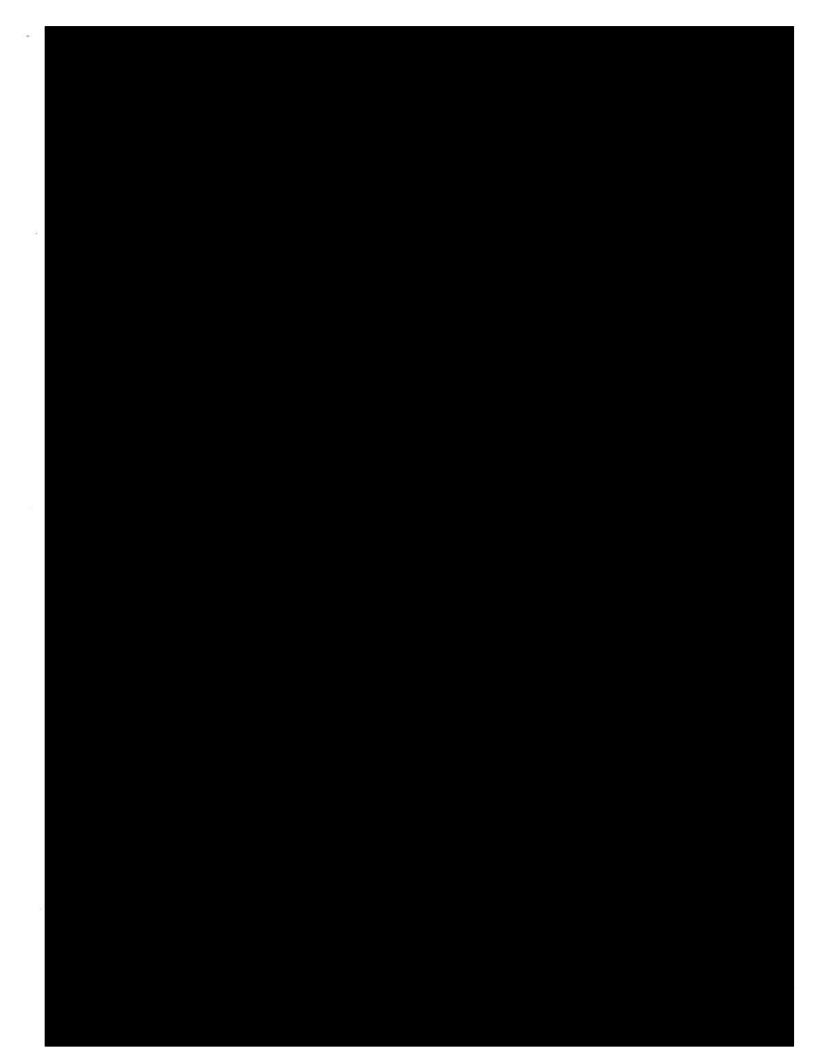
Part Name	Part Number
LaVan ROB RH	E249810NF
LaVan ROB RH	E249810SB
LaVan ROB RH	E249810VS
LaVan ROB LH	E249820NF
LaVan ROB LH	E249820SB
LaVan ROB LH	E249820VS
T800 BKL ASM R	E266040NF-00
T800 BKL ASM L	E266050NF-00
Ext Cab F/S Ctr	E272630NF-01
LaVan R/BLT	E2869801
BKL ASM W/O SW	E2921001-00P
LaVan RETR BLACK	E29343001
LaVan RETR BLACK	E29352001
BKL/TNG ASM	E32049SB
BKL/TNG ASM	E32049VS
BKL/TNG ASM	E3205001
LAP BLT/BKL	E37357A77
BOLT	E3315100-00
JDC BKL RH	E37228VS
JDC BKL LH	E37229SB

Quality Manager Key Safety Restraints Systems

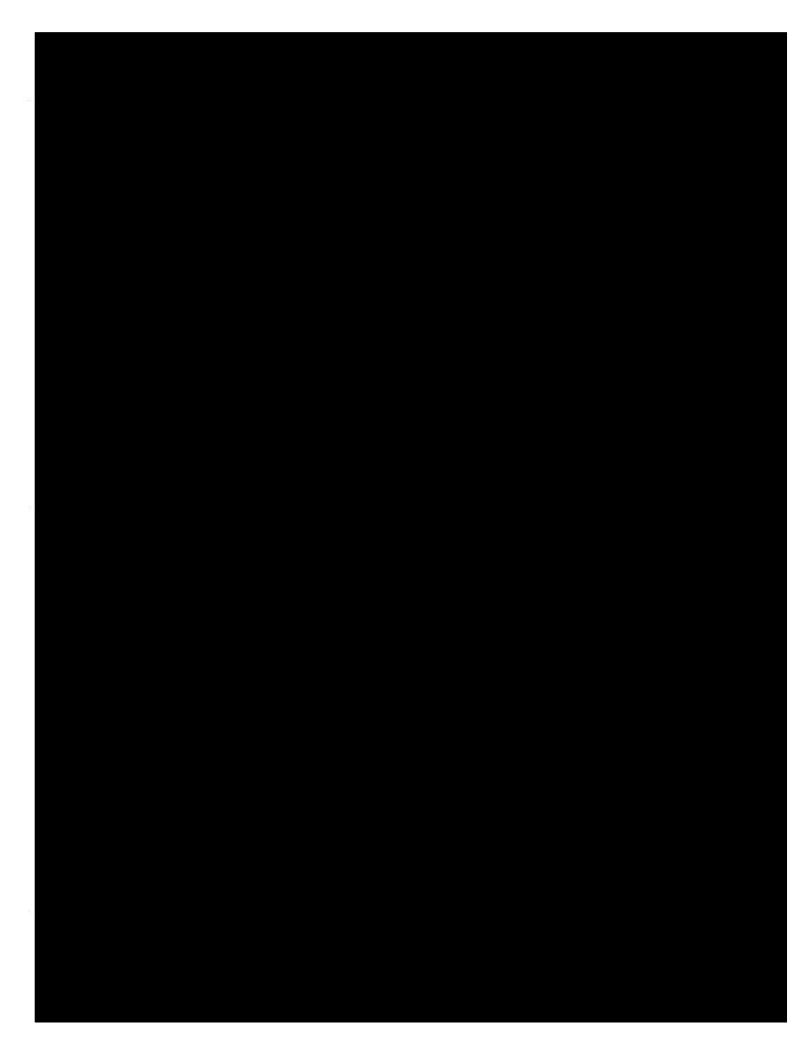




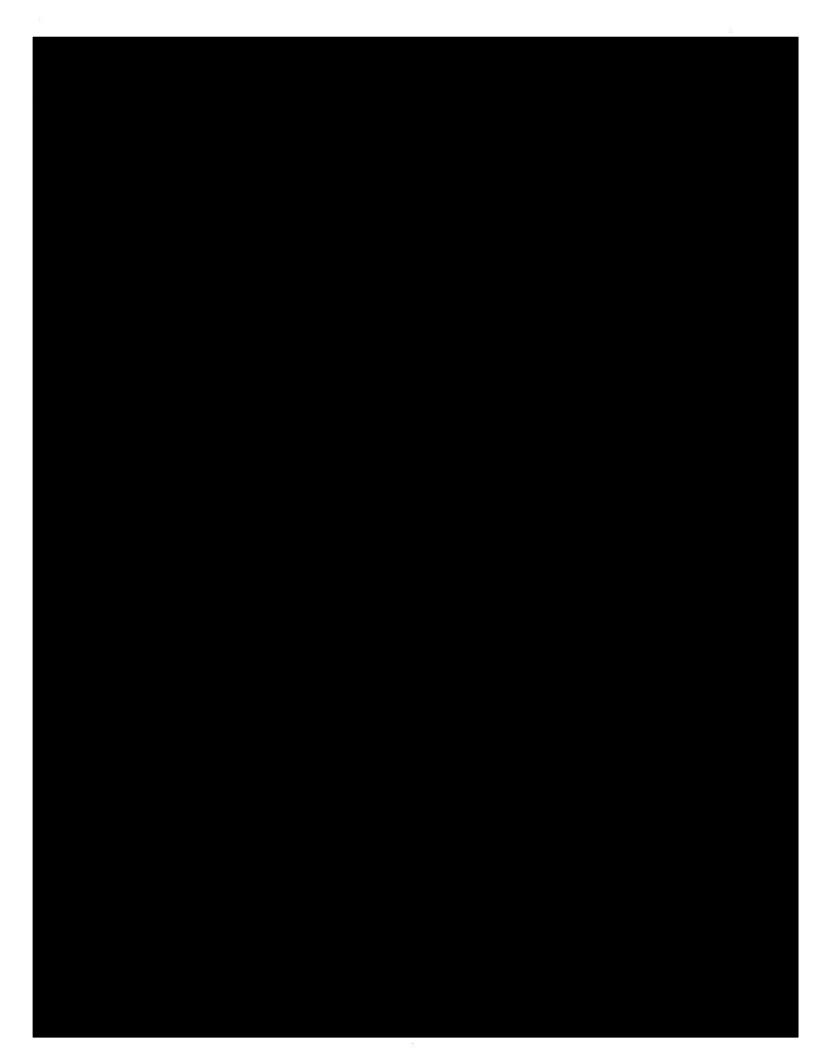




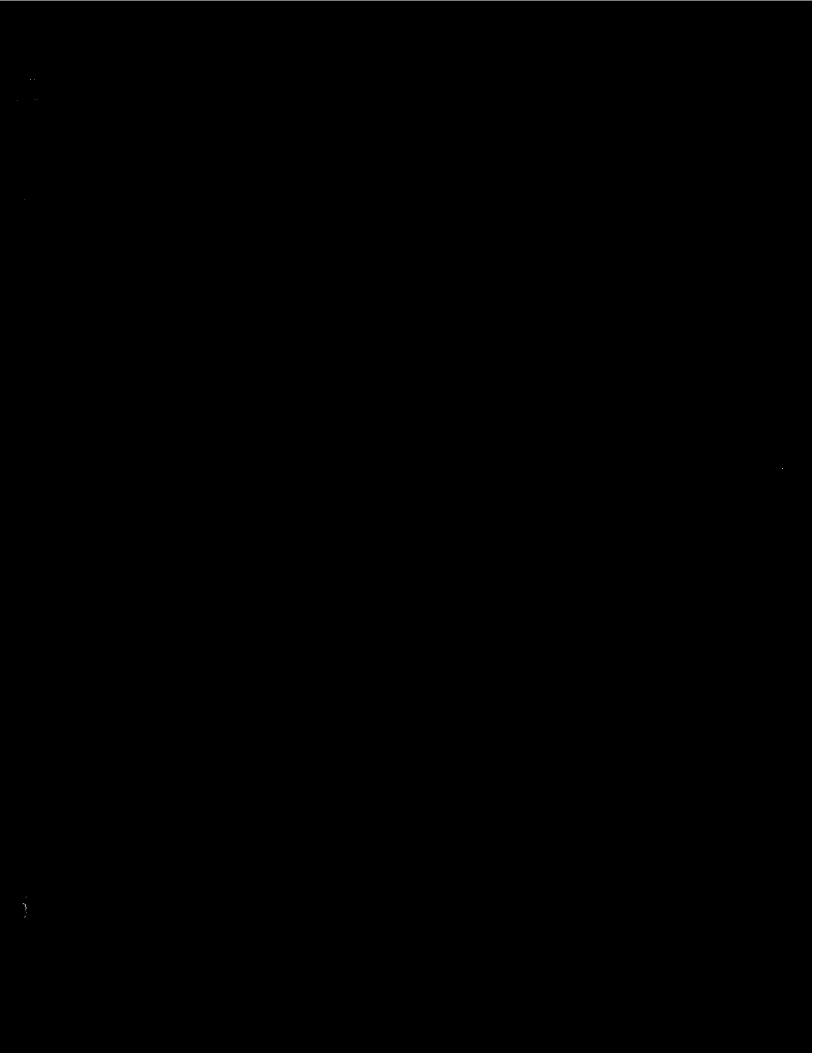


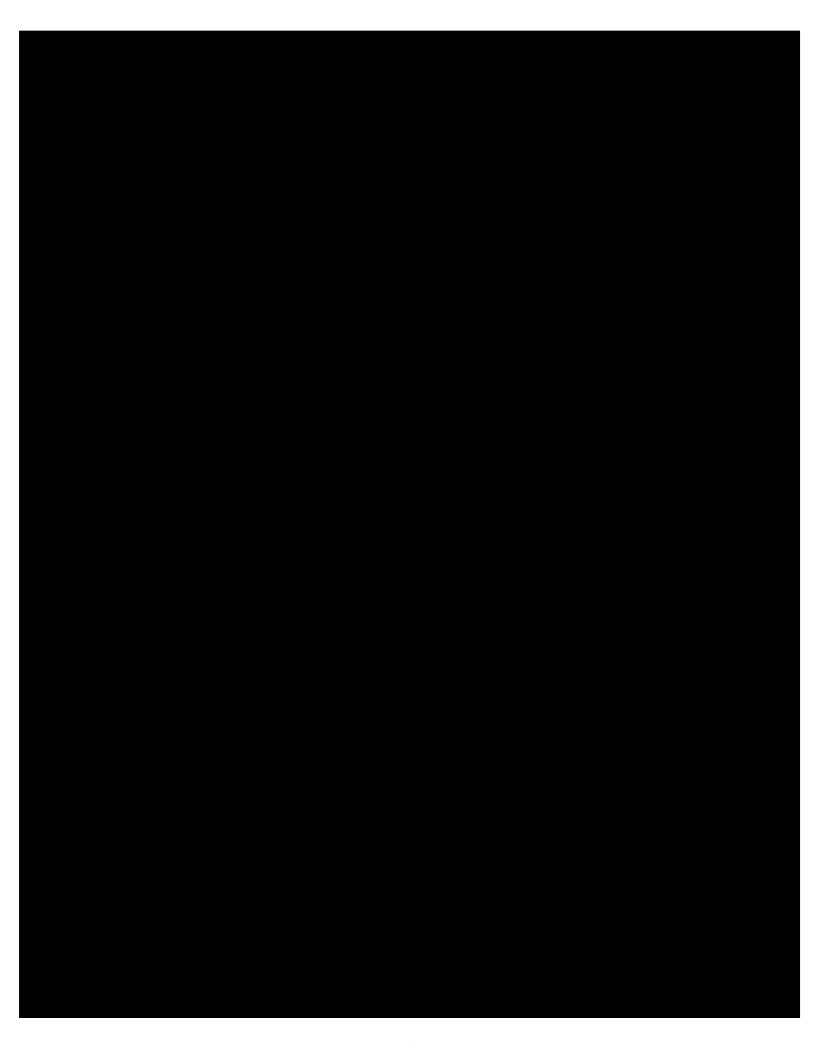




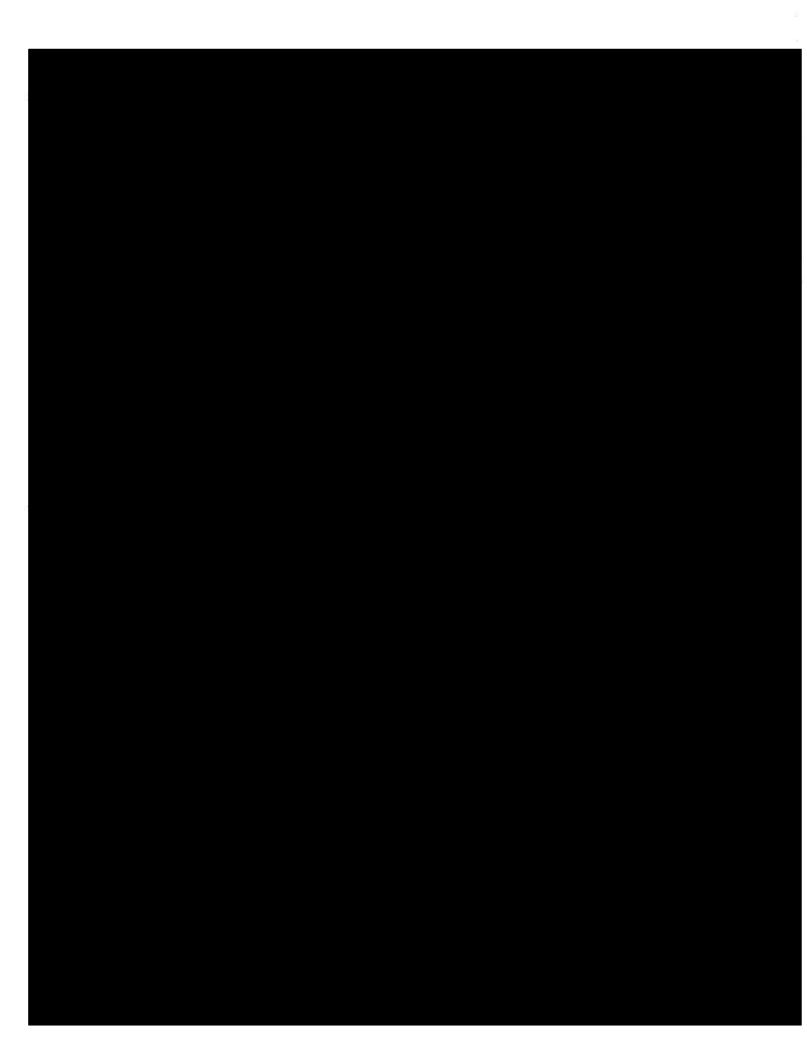


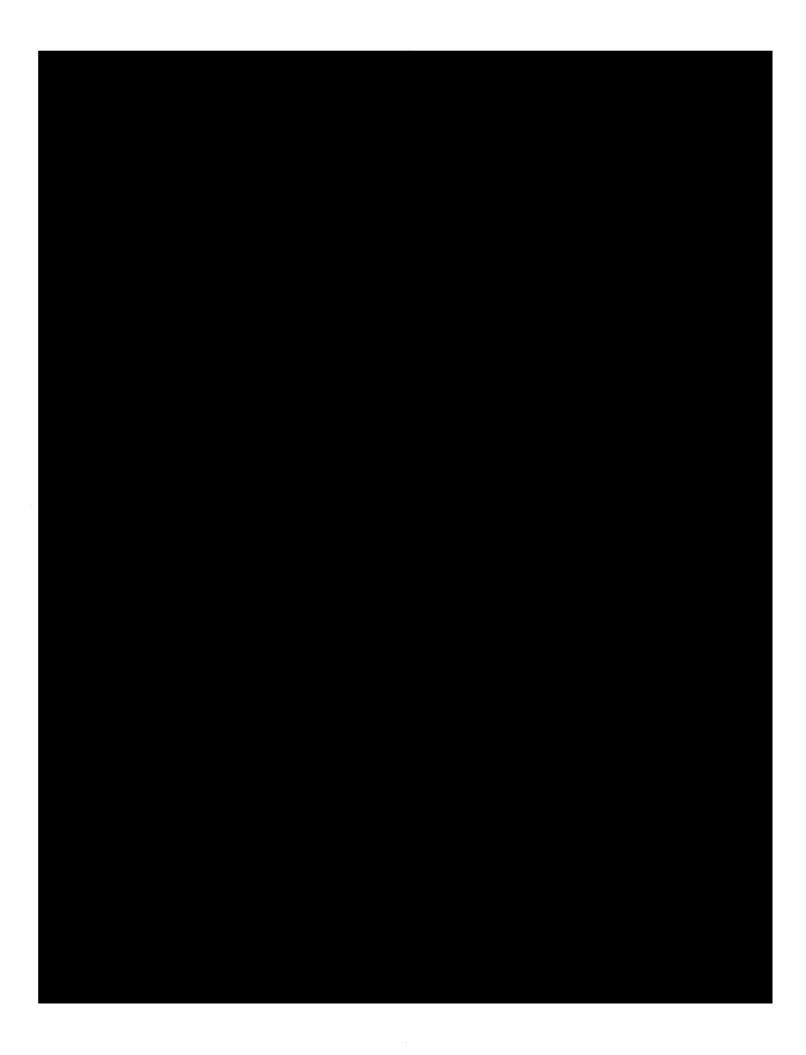


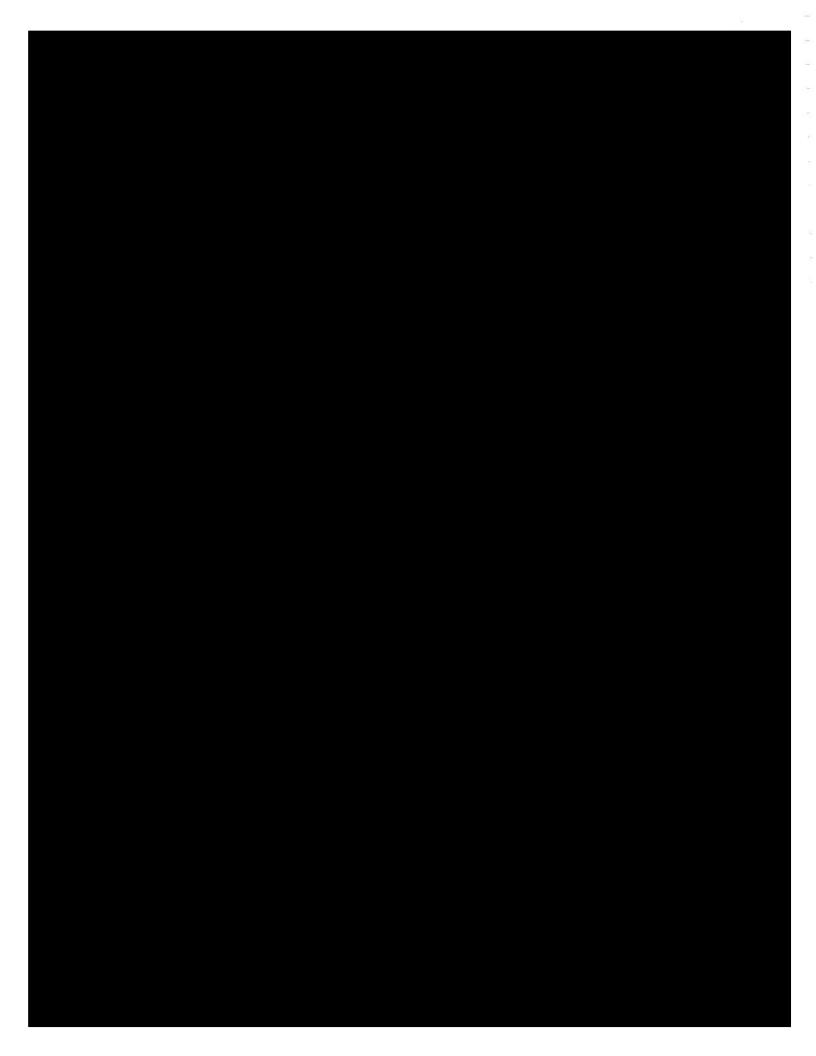












STI

STURGIS TECHNOLOGICAL INDUSTRIES

Custom Molders of Urethane Foam and Liquid Composite Parts





301 W. SOUTH ST. STURGIS, MI 49091 Telephone (616) 651-7475

January 24, 2002

Superior Seating Gosnen, IN

For your information and also for your customer's; the foams we supply to Superior Seating all meet or exceed the following flammability tests:

FMVSS 302

cal 117

If you should have any more questions on this please feel free to contact me.

Very truly /vours,



Foam Fabricating, Inc.

CERTIFICATION

May 1, 2001

Attention: Angle

This is to certify that all foam shipped to :

Superior Seating 803 Chicago Ave. Goshen, IN 46526

and designated as "FR" meets or exceeds the FMVSS-302 standard at the time of shipment





4380 EAST 11th AVENUE HIALEAH, FLORIDA 33013 TELEPHONE: (305) 685-9651 TOLL FREE: 1-800-4CM/VAN FRX: (305) 685-3141

CADDY CONSTRUCTION

A VINYL AUTOMOTIVE GRADE MATERIAL MADE FOR INTERIOR DECORATING AND SEATING APPLICATIONS.

SPECIFICATIONS

	CADDY 4241	TEST METHOD
Weight	13.5 -16.5 OBY	ASTMD37-76
THICKNESS	28 - 36 MILS	ASTMD751
Tersili	100 x 60 MIN.	ASTMD5034
ELONGATION	40% X 150% MIN.	д ЭТМ D5034
TRAPESOID TEAR	20 LBS. MIN.	ASTMD2813
STITCH THAR	a LBS. MIN.	ABEMD2813
MANEMBERK	25,000 CYCLES/MIN.	АЭТИФ4157
AMBIENT BALLY PLEX	30,000 CYCLES/MIN.	PEA TM #15
DFAC CLASS I	PASS	UFAC FABRIC CLASS TM 1990
FLAMMABILITY	BAS	PHVS8 302
CROCKING	no stain - min. 4	ANTCC TM 8-1977.
TABER ABRASION	CS10-1,000 GRAMS 500 CYCLES - PASS	ASTMD3884
WYKENBEEK ABRASION	3,000 CYCLES - PAES	ASTMD3597

I CALL ENTERPRINES COMPANY

TOTAL P. 802

"现代的运费"。第1-11 · 11、1213年 125

C.M.I. NUTOMOTIVE

4380 ERST 11th AVENUE HIALEAH, FLORIDA 33013 TELEPHONE: (305) 685-9651 TOLL FREE: 1-800-4CMIVAN FAX: (305) 685-3141

AVERAGE PROPERTIES OF CRUISER VINYL

TEST PERFORMED/TEST METHOD

	Width	54"
2.	Length	45 yards
ĭ,	Weight	target 23.70 oz/54"
4 .	Film Thickness	.012
	Substrate Weight	4.0 oz/yd ² with foam (target)
Ő.	Adnesion (ASTM D-751)	4.0 minimum lbs/itch
7.	Tensile Strenght (Grab Method ASIM D-751-59)	100 lbs
6-	Trapezoid Tear Strenght (ASIM D-1117-80)	30-45 lbs
9.	Sulfide Stain	manufactured to resist sulfide staining
10.	Light Fastness (ASTM G-25-75)	300 hours minimum
75.	Cold Crack (CFFA-6)	Minus 10°F, Class A pass
12.	Fire Retardency (MV5S-302)	pass
13.	Abrasion (Taber - 500 gm. weight)	300 cycles
13.	Crocking	pass
752	Seam Strenght (CFFA 4)	18~26 lbs

TRACKER VINYLS.

SPECIFICATIONS

- # WIDIN 54"
- gauga (thickness) 45 mm ± .05
- (137 MTEA) rigneria elienai warp 128.77 lbs, - fill 107.88 lbs.
- # Gongation (ASTM 761) Warp 58.54% -111 117.15%
- © tear strength warp 31.11 lbs. III 35 08 lbs.
- s saron strength warp 18.0 lbs. fill 12.91 lbs.
- # achesion (ASTM D751) warp full fill full
- & MATCC 16 XENON 7557 150) - pass
- a apresion Wyzenbeek 25,000 cycles pass
- * Taber 2,000 cycles pass
- w coin crack Fed. Std. 5874-10 pass @ 20°
- □ Hexing 15,000 cycles

MEETS THE FOLLOWING FLAMMABILITY CODES:

- MV3S 302
- California tech. 117

SIGNATURE

A Remarkable Color-Twinning process mates premium companion leathers and vinyis to design interiors of enduring beauty and durability.

Sensible Pricing makes the Signature Series especially attractive.

ACER EATHER

SPECIFICATIONS

- * thickness LO 12 mm
- GM Specs for surface finish:
 - Resistance to wear (ASTM D3884, 500 gr. H-18 wheel, 360 cycles)
 Cold Crack (ASTM D1912 GM8140 P)

 - Blocking (SAE J812)
 - Compatability (GM9141 P)
 - Grain Retention (GM9142 P)
 Crazing (GM5143 P)

 - Southing & Marking (GM9150 P)
 - Top Coat Adhesion (GM9180 P)
 - Coating Adhesion (ASTM D2097)
 - 60,000 cycles
 Colortestness to light (SAE J1685) XENON 225K
 - Color Grock (AATCCTM 8) wet/dry min. 4
 - Resistance to rellowing (GM2756 P)
- top grain
- drum dyed
- Wyzenbeek "duck" seam abresion test 3,000 cycles

MEETS THE FOLLOWING ...

- MVS8 302
- California tech. 17

HOW TO ORDER LEATHER:
Leather is sold on a square foot basis in whole
hide quantities. Hides average 50 square feet. Use the
following figures when estimating quantities needed.

36" X SA" Pictric Lauther M" X 54" Palarie: Lauri t yard = 18 Source Fr 6 yards = 106 Square Feet Tyanda = 126-Square Feet Bywrda + 36 Bquare i'r 8 yerds = 144 Square Post 3 yards × 54 Square Fi 4 yards + 72 Equars # 9 yerds - 162 Square Pect 5 ymros = 90 Square Feet 10 yarda * 100 Square Feet



Corporate Haadquarters: 4380 East 11th Avenue Hialesh, Florida 33013 (305) 685-9651 FAX (305) 685-9511 4001 :28 4826

C.M.L. Automotive of Indiana 52742 Laar Court Elkhart, Indiana 48514 (219) 262-3688 FAX (219) 262-4782 1800) 346-0475

C.M.I. Automotive of Texas 1000 Enterprise Place Arlington, Texas 78017 (817) 457-2990 FAX (817) 468-2218 (800) 467-890

TOTAL P.002

ALLLANTIB



RECOMMENDED APPLICATIONS:

- Automotive Seating and Trim
- * Conference Room Seating
- Executive Seating
- General Office Seating
- · riotel/Wotel Room Seating

- · Home Office Seating
- · Foyer and Lounge Seating
- · Residential Seating
- RV Seating and Trim
- · Work Station Seating

SPECIFICATIONS:

- Nominal Total Thickness: .0045 inches (45 + 4.5 1.5 mils)
- · Standard Weight: 29.0 ounces per linear yard
- Abrasion Resistance: Superior abrasion resistance 100,000 cycles Wyzenbeek – CFFA-1 (Federal Standard 191A – Method 5304)
- · Mildew Resistant
- 1,000 Hours Weathermeter
- · Finished Width: 54"
- . Roll Length: 40 linear yards

MANUFACTURED TO MEET THE FOLLOWING FLAMMABILITY SPECIFICATIONS*:

- FMVSS 302
- California Flammability Regulation (Bulletin 117, Section E)
- BIFMA Class A
- " UFAC Class I
- * This term and the corresponding data refer to typical performance in the specific test indicated and should not be construed to imply the behavior of this or any other material under actual fire conditions.

www.morbern.com



Morbern is an ISO 9001 Certified company

P.O. / C.P. 1207, 80 Boundary Fload Commell, Ontario, Canada Kerl 573 Bell Tel. (\$13) 932-8611 Fax: (\$13) 932-0162 - Administration Fax: (\$13) 932-8778 - Sales / Production Planning

Morbern Product Directory SPE 4860 18 February 1888

PRODUCT INFORMATION SHEET

HELLOTECH SHIFE ALLANTE

Construction.
The product is an expanded vinyl that is supported by a synthetic looped knitted backing fabric.

Physical attributes Leatherlike Teel, High tailorability. Excellent durability characteristics.

Physical properties

Respectly	Units	Method	Result	Limits
Total Weight	ozs/lin yard	ASTM D751	29.0	+/- 1.5
Total thickness	mils	ASTM D751	45	+/- 4.5
Wiath	Inch	Fed Std 191A-5020	54	+ 2
Tensile strength	pounds	ASTM D751	W. 85 F. 70	+/- 8 +/- 7
Adhesion of omating	pounds/inch	ASTM D751	W. 6.5 F. 6.5	+/- 3.5
Tearing atrength	pounds	Fed 8td 191A-5134	W. 10.5 F. 10.5	+/- 2.5 +/- 2.5
Trapezoid tear strength	pounde	ASTM D1117	W. 24 F. 24	+/- 6 +/- 6
Hexane extraction	8	MI-TLWI 423	7.0	+/- 2
Straton under load	a _s	BAE J856	W. 25 F. 150	+/- 7
Permanent set	85	SAE J855	W. 4 F. 24	+/- 2.0 +/- 8.0
Weather resistance (500 hrs)	Hrs	ASTM 023-92 Method 1	Pass No significant colour change or stiffening	
Wildew resistance		ASTM 621-90	No prowth o	
Abrasion resistance	cycles	Wysenbeek 30,000 rubs #8 Duck	No significant wear	
Blocking realstance		Fed Std 191A 5872	Scale rating	2 max
rocking esistance		Fed Std 191A 5651	Rating of good	od both wet
Cold resistance.	°F	Fed Std 191A 5874	Pass -15	
Flams		FMVSS-302		

Note :

ind information stated is, to the best of our knowledge, accurate. It is offered for verification and reference purposes only.

Moreover Inc. offers no warranty, and assumes no liability for actual reliance on this information.



To Whom It May Concern:

Vinyl Specifications

Spec: 45 gange x 54"

Backing Cloth: 65% Polyester/35% Rayon Blend Double Knit

Flanumability: MVSS-302

Cal-117 Class I UFAC Class 1

Ultra Violet Resistance: 300 hours (ASTM-G53 QUV)

Cold Crack Resistance: Mirrus 30 degree F (CFA-6A Keller Method)

Abrasios Resistance: Exceeds 200,00 cycles (CFFA-1/Wyzenbeek #8 Cotton Duck)

Lyon have any other questions, please give me a call at (800) 354-4401.

Sincerely,

President

104 Pennsylvania Railroad • Linden, NJ • 07030 • Phone: 1-800-354-4401 • Fax 908-882-2072

Beincations for East Coast Vinyl

Winnerfactured To Meet The Following Codes

- Motor Vehicle Safety Standard 302
- California Tech Bulletin 117
- · Ficat Sealable

Principal & Treatments

- Abrasion-Heavy Duty Wyzenbeek/CFFA-1
- Federal Safety Standard 191A-Method 5304
- Cold Crack-10 ° F (-23,3 °C)
- Light Fastness-300 Hours Minimum

Same Applications

- Office/General Seating
- « Residential
- Marine/RV/Auto

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Width: 54" (137 cm)

» Roll: 30 yd (27,43 m)

Weight: 27-28 oz. (634 gm/m²)

:01

Post-It* Fax Note	7671	Date	# Cl pages	
Ta		From		-
Co/Dept.		Co.	<u> </u>	
Phone #		Phone #		
Fax #		Fax #		



Leatner Specifications:

Festions the following tests on one leather sample submitted in accordance with GM specification GM 2756M and the indicated laboratory procedures:

Thickness (ASTM D1813) 3.2.2 Weight (ASTM D3776) 3.2.3 Pliability (GM9151P) Tensile Strength (ASTM D5034. Orab Method) 3.2.5 Elongation 5.4.6 Tear Strength (ASTM D2261) Stitch Tear Resistance (Double Hole, ASTM D4705) 5.2.7 Seam Strength (GM9129P) 3,2,8 3.2.9 Resistance to Wear (ASTM D3884, 500 G, 300 Cycles, H-18 wheels) 3.2.9.1 High Wear (500 cycles) 3.2.10 Resistance to Wear (SAE J1530, Duck #10, Wyzenbeck Method, at 3lb load and 4 lb tension, 4000 cycles) 3.2.11 Cold Crack Resistance 3.2.11.1 Cold Crack Resistance (ASTM D1912, Seating & door use only) 3.2.11.3 Cold Crack Resistance, High Impact Leather (OM9032P) 3.2.12 Resistance to Blocking (SAE J912) As-Received After 24 h Humidity 3.2.13 Compatibility (GM9141P) 3.2.14 Grain Retention (GM9142P) 5.2.15. Crazing (GM9143P) 3.2.16 Costing Adhesion (ASTM D2097) 3.2.17 Topcost Adhesion (GM9335P) As-Recieved After 24 h Humidity 3.2.18 Resistance to Scuffing and Marring (GM9150P) 3,2,19 Cleanability (GM916P, Procedure A) 3.2.20 Resistance to Consumer Cleaning Products (GM9900P, Procedures A) Flammability (GM9070P) 3.2.21 As-Recieved After accelerated aging per GM9200P 3.2.24 Odor (SAE J1351) 3.2.25 Fogging (SAE J1756, 7 d over P2O3 then testing) Fiber Show Through, Perforated Leather only 3.2.26 3.3.),2 Resistance to Humidity (24 h @ 38° C and $95 \pm 5\%$ R.H.) 3.3.13 Resistance to Sulfur Ion Staining Sulfide (GM9069P) Sulfur Dioxide (GM9736P) 3.3.14 Colorfasmess to Light 5.3.14.1 Seating and Shift Boot (SAE J1885, 225.6 kJ/m²) 3.3.16 Color Crock (AATCC8) Colorfastness to Elevated Temperature (72 h @ 93 ± 2°C) 3,3,17

Any questions please call: 1-800-354-4401



HR Flexible Polyurethane/Technical Data for HRB-240M-C117

HRB-240M-C117 is an MDI based system developed for high resiliency seating applications. The low viscosity of this pressure impired in the pressure impired in the pressure impired in the pressure impired in the properties of the properties of the pressure impired in the properties of the properties

PHYSICAL Foam Characteristics PHYSICAL Foam Characteristics			
Molded Density, pcf ASTM D1622—98	2.8		
Tensile Strength, psi ASTM D3574-Test E	25.14		
Tear Strength, ppi ASTM D3574-Test F	7.1		
Additional physical properties of results on back of back.	and burn test		
Foam REACTIVITY Hand Mix*			
Component temp	75°F		
Cream Time, seconds	10		
Mix Time, seconds	5		
Rise Time, seconds	67		
Demold time, minutes	3.0-3.5		
Mold Temperature	115-130°F		
Free Rise Density, pcf	2.50		

**Reaction times & density are influenced by mix efficiency,
component temperatures and amblent conditions.

Typical CHEMICAL P			
Property	Resin Blend HRB-240M-C117	Isocyonole HRA-M30-33	
Viscosity @ 75F 1200 cPs		30 cPs	
Weight/gollon	8.9 lbs	10.0 lbs	
Storage Temperature	60-100 °F	60-100 °F	
Shelf Life*	6 mos.	6 mos.	
Mix Ratia	100 pbw	53 pbw	
Index	1	10	

*Shall file dependent on storage conditions. Both components should be stored in highly copped containers with nitrogen blanketed fieod-space. Components should be stored in a temperature controlled environment of approximately 75°F. Avoid extreme temperatures and significant changes in temperature. Always have an MSDS avoidable.

BURN TEST RESULTS
CAL 117: PASS

MVSS302: SE (self-extinquishing)

FAA 25.853 (a): PASS

Carpenter Co.
Chemical Systems Division
Customer Service 800-444-5132
www.carpenter.com

IMPORIANT: He information above in effective the grow consideration, investigation and restriction. The data is presented in good faith and is believed in the reliable. Corporate (a., however, necked no requested on an experience of the conditions of the data combined basets, Corporate (a., tannal emitigate all conditions under which this data may be used. The conditions of heading, Idelance, Corporate (a., tannal emitigate all conditions under which this data may be used. The conditions of heading, Idelance, it is conditionally be continued in the product of the produc

HR Flexible Polyurethane/Technical Data for HRB-240M-C117

Additional PHYSICAL Foam Characteristics	
IFD, 15" x 15" x 4" ASTM 03574-Test 8	
25% deflection SAG Factor Hysteresis	48.4 lb/50m² 2.78 20.65
Elongation ASIM D3574-TestE, Benchmarks	1.40%
Compression Sels, 50% Deflection ASTM DD, C1 Un-aged Humid Aged (J2)	6% 11%



FABRIC SERVICES a division of MPR Corporation

Monterey Leather

frem	Test	Requirement
Thickness	ASTM D 1813	1.0mm +/- 0.02mm
Weight	ASTM D3776	2.5 oz/sf +/25
Tensile Strength	ASTM D 5034	400N min.
Elongation	ASTM D 5034	60% max.
Tearing Strength	ASTM 4704	22N min.
Ahrasion	ASTM D 3884	CS10 Wheel, 500 g Wgt.
Cold Flex	SAE J 323 A	-30 c
Adhesion	Tape Test	No lifting, peeling of topcoat
Crocking	AATCC 8	wet/dry 4 min.
Flammability	FMVSS 302	101.4 mm/min
Light Fastness	SAE J1885	100 hrs 5 rating 150 hrs 4.5 rating

a division of MPR Corporation

White vinyl White leather PASS PASS

PHYSICAL PROPERTIES (cont.)

5.16	Scuff & Mar		PASS
5.17	Grain Retention		PASS
5.18	Cleanability		PASS
5.19	Odor .		PASS
5.20	Flammability	Self-ex After Accel. Age After Steaming	ttinguished Self-extinguished Self-extinguished
5.21	Pliability (50 g, load)		0.050

COLOR PROPERTIES

6.1	Colorfastness to Light (225.6 kJ/m ²	PASS
6.2	Colorfasiness to Elevated Temperat	tures PASS
6,3	Color Crock (Wet/Dry) As receive After 7 d 7	
6.4	Resistance to Humidity	PASS
6.5	Resistance to Sulfide Ion Staining H ₂ S	PASS
	SO_2	PASS
66	Accelerated Aging	PASS

2 of 2

a division of MPR Corporation

Monterey Vinyl TEST REPORT

February 24, 2003

RM-7859 – Med. Neutral Specification GM2737M

PHYSICAL PROPERTIES

5.1	Weight			18.2 oz/yd^2
5.2	Thickness			0.034 inches
5.3	Tensile Strength	• ,	Direction) rection)68 lbs.	97 lbs.
5.4	Trap Tear	,	Direction) rection)9 lbs.	10 lbs.
5.5	Tongue Tear Strength	I	(Warp) (Fill)	7.0 lbs. 6.0 lbs.
5.6	Fabric Bond Strength		(Warp) (Fill)	5.8 lbs. 4.8 lbs.
5.7	Stretch & Set		(Warp) (Fill)	25%/3% 180%/38%
5,8	Fogging			98%
5.9	Curling		5 mm	
5.10	Resistance to Wear (Taber)		PASS
5.11	Resistance to Flex			PASS
5.12	Topcoat Adhesion As received After 24 h humidity		PASS PASS	
5,13	Resistance to Cold Crack (-30° C) After Accel, Age		PASS PASS	
5.14	Resistance to Blockir	ng As re	eccived r 24 h humidity	PASS PASS
5,15	Compatibility			

10f2

a division of MPR Corporation

White vinyl
White leather

PASS PASS

PHYSICAL PROPERTIES (cont.)

5.16	Scuff & Mar		PASS
5.17	Grain Retention		PASS
5.18	Cleanability		PASS
5.19	Odor		PASS
5.20	Flammability	Self-ex After Accel. Age After Steaming	tinguished Sclf-extinguished Self-extinguished
5.21	Pliability (50 g. load)		0,050

COLOR PROPERTIES

6.1	Colorfastness to Light (2	25.6 kJ/m²)	PASS
6.2	Colorfastness to Elevated	d Temperatures	PASS
6.3	Color Crock (Wet/Dry)	As received After 7 d 70° C	PASS/PASS PASS/PASS
6.4	Resistance to Humidity		PASS
6.5	Resistance to Sulfide Ion		PASS
	S(PASS
6.6	Accelerated Aging		PASS

2 of 2

r.u3

a division of MPR Corporation

Specifications for Hobnail and Cargoliner

Hobnail:

Construction – 12 oz/yd 2 +/- 10% Polypropylene fiber with 3 oz/yd +/- 10% latex.

Testing – FMVSS 302 (by lot), weight compliance (by lot), Color (by lot).

Cargoliner:

Construction – 8.5 oz/yd 2 +/- 10%
Polypropylene fiber with Calendared finish.

Testing – FMVSS 302 (by lot), weight compliance (by lot), Color (by lot).

103 HINSDALE FARM ROAD BRISTOL, IN 46507

> Telephone 574.848,5100 Fax 574.848,1776

TO:

Midwest Automotive Design

53664-1 CR 9 Elkhart, 1N 46514 Attn. Curt Mattern

RE: Warrant for Flammability- Purchased Materials

We warrant the following material shipped to Midwest Automotive Design during the 2005 model year will be manufactured, processed, and tested in accordance with FMVS302 Federal Motor Vehicle standard 302. We further warrant that due care documentation generated by our testing and monitoring program will be immediately available upon request, for your reference and further use, as required. All lots of material are tested and records kept for review.

Warrant is for the following material:

Material Name	Part#
Alpine Black 1/4" Lam	875883
Empire 1/4" Lam	25950
Rhonby 1/4" Lam	38655

Date__8/1/05

Signed

Name:

Tillo: Director of Q.A.



Atwood Compliance Systems

ATWOOD COMPLIANCE SYSTEMS STATEMENT OF CERTIFIABILITY

Atwood Mobile Products states that all Atwood Compliance Systems offered by the company have been developed to meet the requirements of applicable FMVSS standards. ACS further states that each system was tested as closely as possible to procedures recommended by the National Highway Traffic Safety Administration.

All tests or engineering analyses were conducted by or witnessed by qualified testing personnel and or independent test laboratories and documentation is furnished to affirm the standards used for testing and the results obtained.

ACS also provides detailed guides for the installation of all systems furnished. While these guides are provided, it remains the manufacturer's responsibility to ensure that each system is properly installed.

ACS also states that while some components of the completed vehicle's seating systems are not furnished as part of the Atwood Compliance Systems, ACS has provided specific guidelines for their application within the systems. Such items include seats, sofas, seat slides and some fasteners required for attaching these items. It is the conversion manufacturer's responsibility to ensure that the items added conform to ACS quidelines in order to protect certifiability of the systems.

ACS states that all Atwood Compliance Systems offered for sale to final stage manufacturers are certifiable under FMVSS standards when installed under ACS Guidelines. ACS further states that these systems, as offered, do not adversely impact a vehicle's FMVSS 208 certification.

Disclaimer: Atwood does not assume responsibility for the Certification of an installed system that does not us a complete system as required and supplied by Atwood Mobile Products.

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Test Information

Part Number: 288A

Sample Description: End release adj. tongue

Test Description: Tilf lock

Lot Number: 002-082213

Sample Date: 8/26/13

Customer: SBS

Technician: Tate

Comment:

Tested: Aug 26, 2013 - 9:12 AM

Test Parameter File: G:\Tost Parameters\288A.par

Test Results File: C:YYenf Results\\288\\.ccv

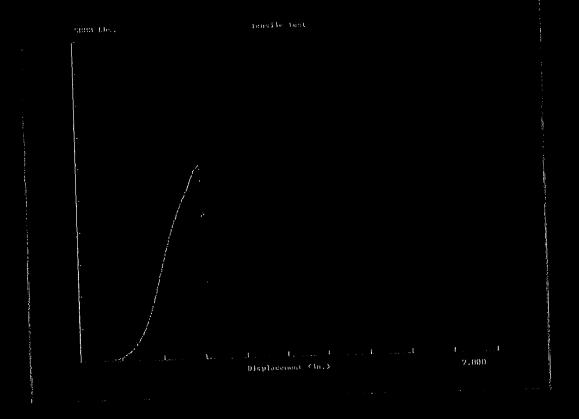
Tost Results

	Angle	Judgement	Low Limit	High Limit
Till Lock	55.40	$\bigcirc raket$	0.0°	60.0°
1110 1311			, was an extreme to the	

Consile: Fest Summary Duta Fost Population: 3-5 Test Date: 8/26/2013

Made	ilus:
Max.	Force:
Мах.	Stress.
Max	Strain

Average	Std. Dev	Coef, of Var.
1.140.2	92.7	8.43
3.333.4	1077	3.23
1,666.7	63.8	3,23
100.000	0.000	0.00



8/26/2013 9:28:11 AM

Specimen Number 1

Test Description: Breaking strength test

Item type: 388A+288A

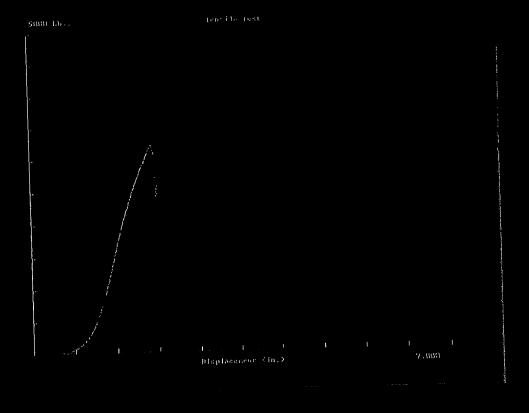
Lot: 002-082213

Load Cell; Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 4 In/min

Strain Measurement by: Crosshead Motion/Gage Length

A.A. Lindiana	1,135.0 PSI
Modulus	
Poissons Ratio	0.000
Max. Force	3,032.6 Lbs
Max. Deft.	2.146 inches
Peak Stress	1,516.3 PSI
Breaking Stress	0.7120 PSI
Max. Strain	100.0000 %
.2% Yield Stress	0.0000 PSI
	0.0000 %
.2% Yield Strain	0,0000 PSI
.5% Yield Stress	
roz Viold Strain	0.0000 %



8/26/2013 9:31:27 AM

Specimen Number 2

Tost Description: Breaking strength tost

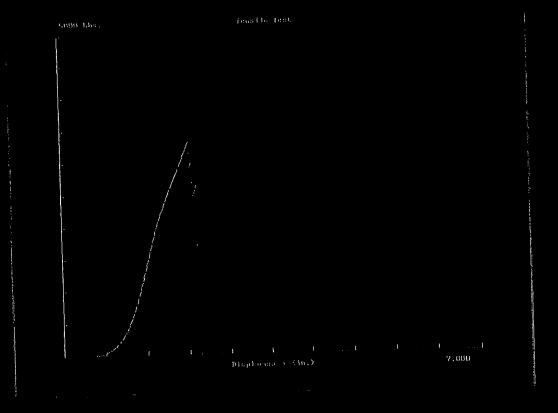
Item type: 388A+288A Lot: 002-082213

Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 4 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	1,125.9 PSI
Poissons Ratio	0.000
Max. Force	3,229.0 Lbs
Max. Defl.	2.117 inches
Peak Stress	1,614.5 PSI
Breaking Stress	290.21 PSI
Max. Strain	100.0000 %
.2% Yield Stress	0.0000 PSI
.2% Yield Strain	0.0000 %
.5% Yield Stress	0.0000 PSI
5% Yield Strain	0.0000 %



8/26/2013 9:35:45 AM

Specimen Number 17.5

Test Description: Breaking strength test

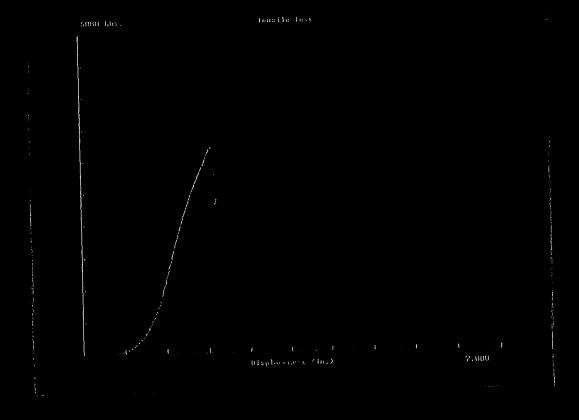
Item type: 388A+288A Lot: 002-082213

Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity > 4 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	1,058.4 PSI
Pojssons Ralio	0.000
Max. Force	3,322.9 Lbs
Max Defl.	2,259 inches
Peak Strees	1,661.5 PSI
Breaking Stress	1.1965 PSI
Max. Strain	100.0000 %
.2% Yield Stress	0.0000 PS]
.2% Yield Strain	0.0000 %
.5% Yield Stress	0.0000 PSI
5% Yield Strain	0.0000 %



8/20/2013 9:37:47 AM

Specimen Number 2 q

Test Description: Breaking strength test

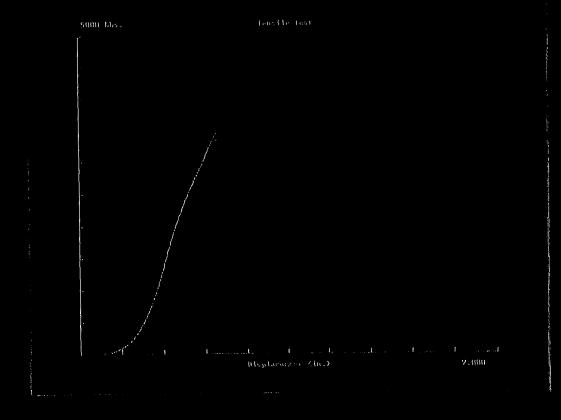
Item type: 388A+288A

Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 4 In/min

Strain Measurement by: Crosshead Molion/Cage Length

11.11 10.10	
Modulus	1,121.3 PSI
Poissons Ratio	0.000
Max. Force	3,231.3 Lbs
Max. Deft.	2,257 inches
Peak Stress	1,615.7 PSL
Breaking Stress	84.50 PSI
Max. Strain	100.0000 %
.2% Yield Stress	0.0000 PSI
.2% Yield Strain	0.0000 %
.5% Yield Stress	0.0000 PSI
5% Yield Steain	0.0000 %



8/26/2013 9:48:32 AM

Specimen Number 3 5,

Test Description. Breaking strength test

Item type: 388∆±288∆

Lot: 002-082213

Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 4 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	1,240.8 PSI
Poissons Ratio	0.000
Max. Force	3,445.9 Lbs
Max. Defl.	2.292 inches
Peak Stress	1,723.0 PSI
Breaking Stress	59.11 PSI
Max. Strain	100.0000 %
.2% Yield Stress	0.0000 PSI
.2% Yield Strain	0.0000 %
.5% Yield Stress	0,0000 PSI
5% Yield Strain	0.0000 %

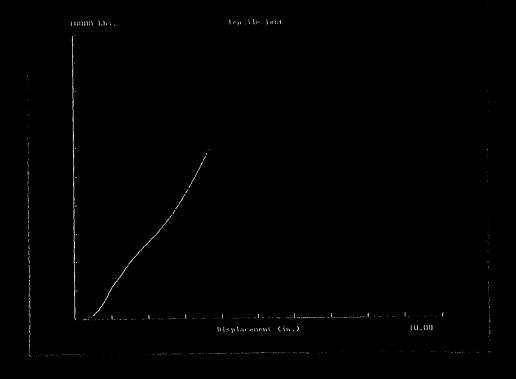
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8/13/2013 3:12:12 PM

Specimen Number 1

MACHINE: MTI-10K, LOAD CELL-10Klbf

PART#: 505 30d

DESCRIPTION: 30deg anchors

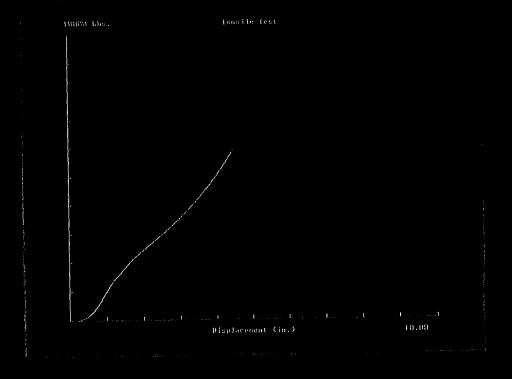
LOT#: 134-072913

Load Cell: Interface 10K, Full Scale: 10000 Pounds

Initial Velocity = 3 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	778.43 PSI
Max. Force	6,015.9 Lbs
Max. Deft.	3.690 inches
Peak Stress	3,008.0 PSI
Breaking Stress	3,008.0 PSI
Max. Strain	369.0453 %
Proportional Limit Stress	0.0000 PSI
Proportional Limit Strain	0.0000 %
.2% Yield Stress	1.444.5 PSI
.2% Yield Strain	211.9847 %
.5% Yield Stress	1,444.5 PSI
.5% Yield Strain	211.9847 %
Work (Energy)	9,351.79 in-lbs



8/13/2013 3:20:31 PM

Specimen Number 1

MACHINE: MTI-10K, LOAD CELL-10Klbf

PART#: 505 30d

DESCRIPTION: 30deg anchors

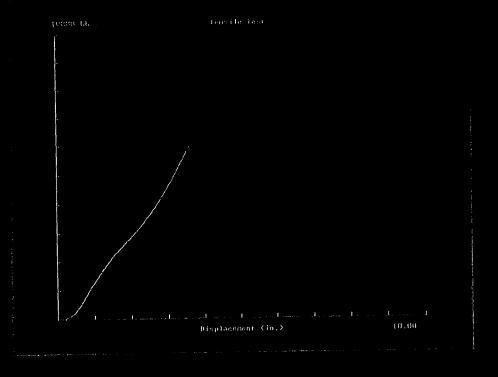
LOT#: 134-072913

Load Cell: Interface 10K, Full Scale: 10000 Pounds

Initial Velocity = 3 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	610.28 PSI
Max. Force	6,029.1 Lbs
Max. Defl.	4.511 inches
Peak Stress	3,014.5 PSI
Breaking Stress	3,014.5 PSI
Max. Strain	451.1215 %
Proportional Limit Stress	0.0000 PSI
Proportional Limit Strain	0.0000 %
.2% Yield Stress	1,451.8 PSI
.2% Yield Strain	243.2785 %
.5% Yield Stress	1,451.8 PSI
.5% Yield Strain	243.2785 %
Work (Energy)	12,148.17 in-lbs



8/13/2013 3:28:03 PM

Specimen Number 2

MACHINE: MTI-10K, LOAD CELL-10Klbf

PART#: 505 30d

DESCRIPTION: 30deg anchors

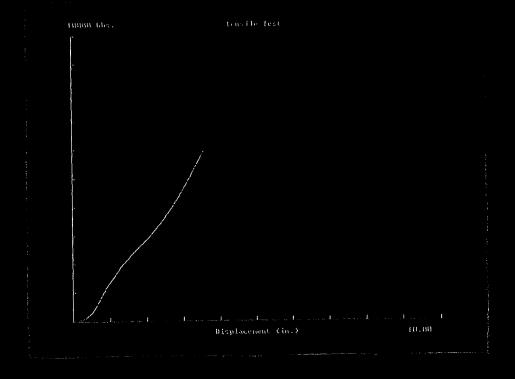
LOT#: 134-072913

Load Cell: Interface 10K, Full Scale: 10000 Pounds

Initial Velocity = 3 In/min

Strain Measurement by: Crosshead Motion/Gage Length

764.47 PSI
6,032.6 Lbs
3.592 inches
3,016.3 PSI
3,016.3 PSI
359.1888 %
0.0000 PSI
0.0000 %
1,455.9 PSI
202,9366 %
1,455.9 PSI
202,9366 %
9,416.53 in-lbs



8/13/2013 3:31:30 PM

Specimen Number 3

MACHINE: MTI-10K, LOAD CELL-10Klbf

PART#: 505 30d

DESCRIPTION: 30deg anchors

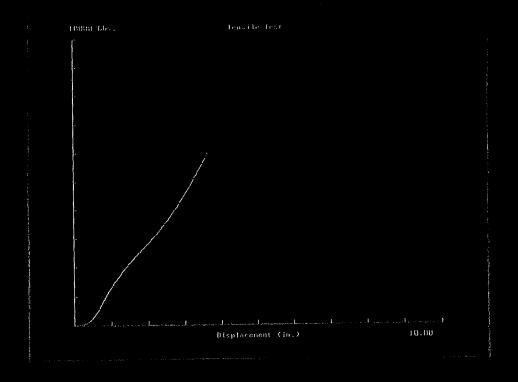
LOT#: 134-072913

Load Cell: Interface 10K, Full Scale: 10000 Pounds

Initial Velocity = 3 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	759.43 PSI
Max, Force	6,009.2 l.bs
Max. Defl.	3.571 inches
Peak Stress	3,004.6 PSI
Breaking Stress	3,004.6 PSI
Max. Strain	357.0969 %
Proportional Limit Stress	0.0000 PSI
Proportional Limit Strain	0.0000 %
.2% Yield Stress	1,443.7 PSI
.2% Yield Strain	199.3903 %
.5% Yield Stress	1,443.7 PSI
.5% Yield Strain	199,3903 %
Work (Energy)	9,399.02 in-lbs



8/13/2013 3:40:34 PM Specimen Number_4

MACHINE: MTI-10K, LOAD CELL-10Klbf

PART#: 505 30d

DESCRIPTION: 30deg anchors

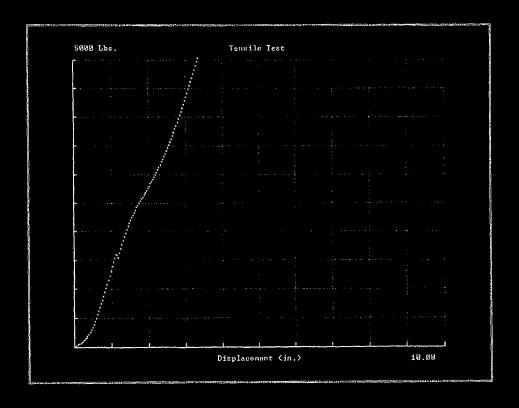
LOT#: 134-072913

Load Cell: Interface 10K, Full Scale 10000 Pounds

Initial Velocity = 3 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	746.22 PSI
Max. Force	6,034.9 Lbs
Max. Defl.	3.640 inches
Peak Stress	3,017.5 PSI
Breaking Stress	3,017.5 PSI
Max. Strain	363.9887 %
Proportional Limit Stress	0.0000 PSI
Proportional Limit Strain	0.0000 %
.2% Yield Stress	1,449.3 PSI
.2% Yield Strain	204.1459 %
.5% Yield Stress	1,449 3 PSI
.5% Yield Strain	204.1459 %
Work (Energy)	9,575.55 in-lbs



8/21/2012 2:50:19 PM

Specimen Number 1

Buckle assembly test ITEM# 388A+288AVS

END FITTINGS USED FLAT .505

DESCRIPTION END RELEASE BUCKLE AND TONGUE W/ CHROME ANCHORS

Lot# V01010627001

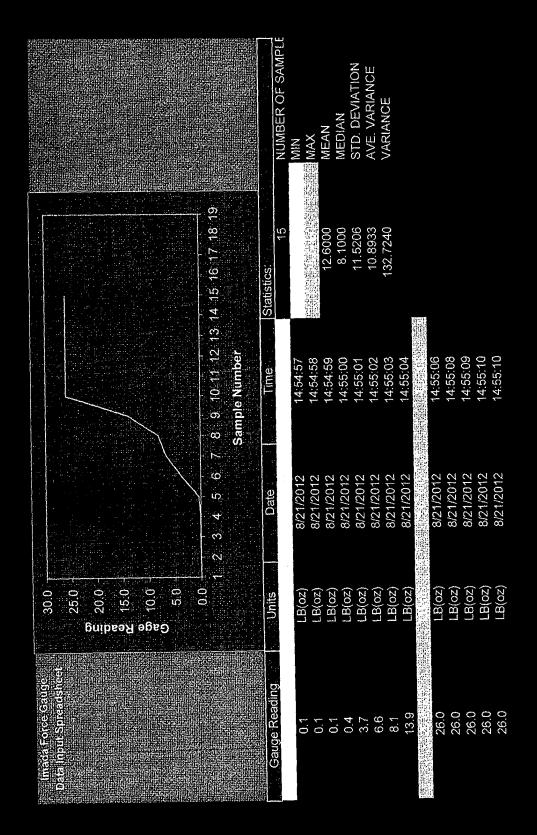
Notes: COLOR IS MED NEUTRAL

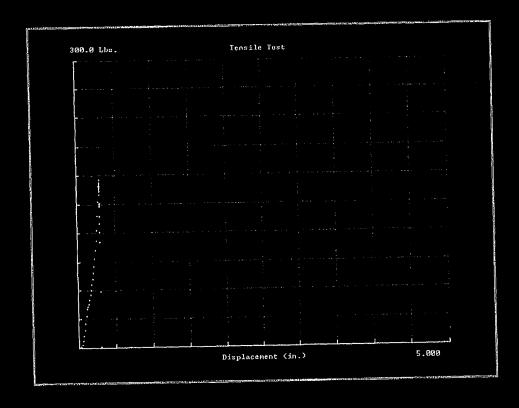
Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 3 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	1,326.1 PSI
Poissons Ratio	0.000
Max. Force	5,050.3 Lbs
Max. Defl.	3.342 inches
Peak Stress	2,525.2 PSI
Breaking Stress	2,525.2 PSI
Max. Strain	100.0000 %
.2% Yield Stress	0.0000 PSI
.2% Yield Strain	0.0000 %
.5% Yield Stress	0.0000 PSI
.5% Yield Strain	0,0000 %





Tensile Test 8/21/2012 2:57:19 PM

Specimen Number 1

Buckle release test ITEM# 388A+288AVS

LOT# V01010627001

DESCRIPTION END RELEASE B&T

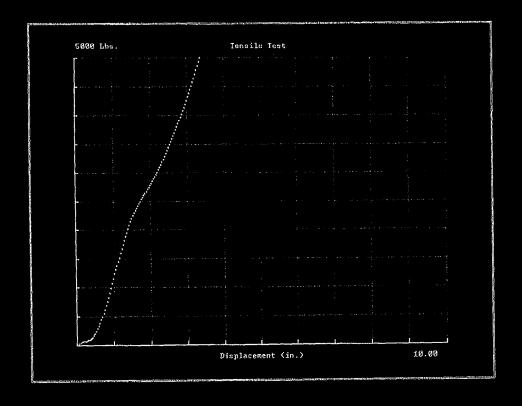
Notes: RELEASE #1

Full Scale: 5000.0 Pounds Load Cell: Interface 5K,

Initial Velocity = 1 In/min

Strain Measurement by: Crosshead Motion/Gage Length

1011011	and the second second
Modulus	214.37 PSI
Poissons Ratio	0.000
Max. Force	176.03 Lbs
Max. Defl.	0.301 inches
Peak Stress	88.02 PSI
Breaking Stress	88.02 PSI
Max. Strain	30.1130 %
.2% Yield Stress	55.63 PSI
.2% Yield Strain	29.7984 %
.5% Yield Stress	55.63 PSI
5% Yield Strain	29.7984 %



8/21/2012 3:02:39 PM

Specimen Number 1

Buckle assembly test ITEM# 388A+288AVS

END FITTINGS USED FLAT .505

DESCRIPTION END RELEASE BUCKLE AND TONGUE W/ CHROME ANCHORS

Lot# V01010627001

Notes: COLOR IS MED NEUTRAL

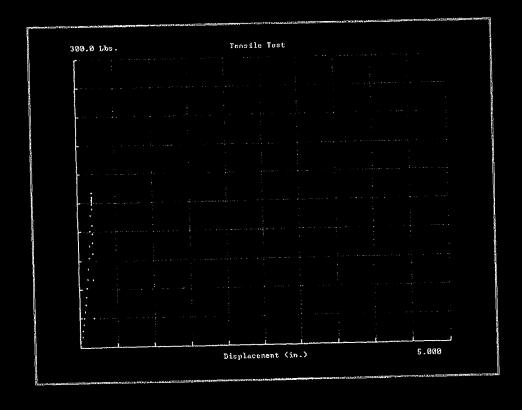
Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 3 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	1,365.2 PSI
Poissons Ratio	0.000
Max. Force	5,005.6 Lbs
Max. Defl.	3.358 inches
Peak Stress	2,502.8 PSI
Breaking Stress	2,502.8 PSI
Max. Strain	100.0000 %
.2% Yield Stress	0.0000 PSI
.2% Yield Strain	0.0000 %
.5% Yield Stress	0.0000 PSI
.5% Yield Strain	0.0000 %

		0.01	8/21/2012	LB(oz)	22.3
		15.04.18	8/21/2012	LB(oz)	22.3
		15:04:18	8/21/2012	LB(oz)	22.3
		15:04:17	8/21/2012	LB(oz)	22.3
		15:04:15	812112012	1 B(02)	10.1
コンドイドイ	102.0292	15:04:14	8/21/2012	B(07)	5.0.0
TOWN TOWN TOWN	8289.6	15:04:13	8/21/2012	LB(oz)	; «
SICIOENTO SYSTEMS	10.1010	15:04:12	8/21/2012	LB(oz)	3. S. &
MEDIAN OTO DESIGN	9.9500	15:04:11	8/21/2012	1 B(oz)	- 00
MEAN	11.2071	15:04:10	8/21/2012	LD(02)	0.0
MAX		15:04:09	810410040	1-7/4	
MONIDEIN OF COMME	41.	15:04:07	8/21/2012	LB(oz)	0.0
TOWNS TO CHAPTER	Statistics:	Time	Date	linits	
		Sample Number			
	6 7 8 9 10 11 12 13 14	6 7 8 9	2 3 4 5	- 0.0 - 1	
				9 0 2	
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				niba 15.0	
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				0.02	Data Input Spreadsheet
				25.0	



8/21/2012 3:04:37 PM

Specimen Number 1

Buckle release test ITEM# 388A+288AVS

LOT# V01010627001

DESCRIPTION END RELEASE B&T

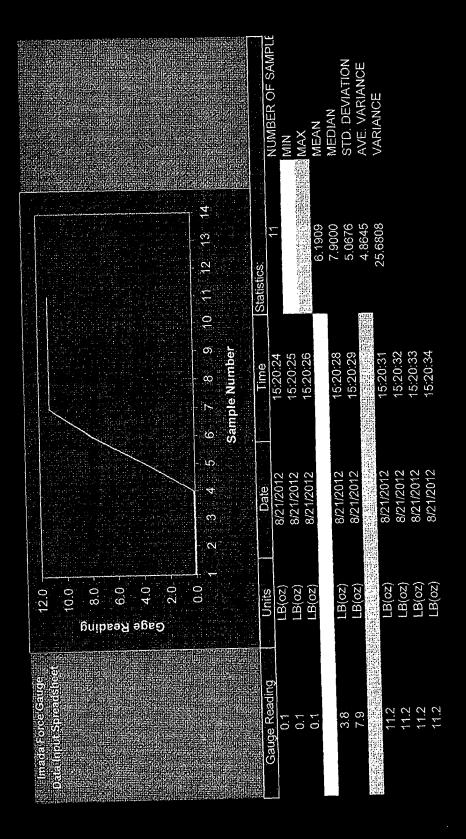
Notes: RELEASE #2

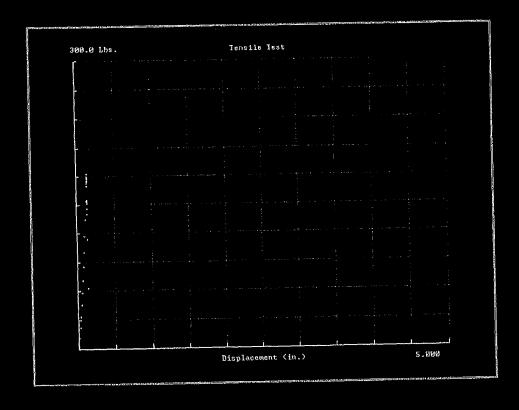
Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 1 In/min

Strain Measurement by: Crosshead Motion/Gage Length

101100	
Modulus	386.41 PSI
Poissons Ratio	0.000
Max. Force	161.01 Lbs
Max. Defl.	0.188 inches
Peak Stress	80.51 PSI
Breaking Stress	78.51 PSI
Max. Strain	18.8128 %
.2% Yield Stress	59.38 PSI
.2% Yield Strain	18.8128 %
.5% Yield Stress	59.38 PSI
.5% Yield Strain	18.8128 %





8/21/2012 3:20:46 PM

Specimen Number 1

Buckle release test ITEM# 388A+288AVS

LOT# V01010627001

DESCRIPTION END RELEASE B&T

Notes: RELEASE #3

Load Cell: Interface 5K, Full Scale: 5000.0 Pounds

Initial Velocity = 1 In/min

Strain Measurement by: Crosshead Motion/Gage Length

Modulus	585.69 PSI
Poissons Ratio	0.000
Max, Force	183.58 Lbs
Max. Defl.	0.144 inches
Peak Stress	91.79 PSI
Breaking Stress	91.79 PSI
Max. Strain	14.4141 %
2% Yield Stress	76.08 PSI
.2% Yield Strain	14.1047 %
.5% Yield Stress	73,10 PSI
5% Yield Strain	14.1047 %

Tensile Test Archive File	created 8/	21/2012				
Test Date	Spec.#	File Name	Width-Diameter	Thickness	Modulus	Prop. Limii
8/21/2012	1	C:\MTI_D	2	0.08	1326.15	0
8/21/2012		C:\MTI_D	2	0.08	214.37	0
8/21/2012		C:\MTI_D		2 0.08	1365.17	0
8/21/2012		C:\MTI_D		2 0.08	386.41	0
8/21/2012		C:\MTI_D		0.08	1263.84	0
8/21/2017		C:\MTI_D		0.08	585.69	0

* TEST # 3 REGULTS DED NOT PRINT &

Prop. Limit	0.2% Yield	0.2% Yield	0.5% Yield	0.5% Yield	Work	Max Load	Max Defle	Max Stress
0	0	0	0	0	0	5050.33	3,342	2525.17
0	55.63	29.7984	55.63	29.7984	0	176.03	0.301	88.02
	33.03	23.7304		0	0	5005.64	3.358	2502.82
0	Ť	18.8128		18.8128		161.01	0.188	80.51
0	59.38		0	10.0120	C		3.347	2501.03
0	0	0					0.144	91.79
0	76.08	14.1047	73.1	14,1047		102,20	0,1,47-4	91,75

Max Strain	Break Load	BreakDeflection	BreakStress	BreakStrain	Secant Mo	Buckle assembly test
100	5050.33	3.342	2525.17	100	0	ITEM# 388A+288AVS
30.113	176.03	0.301	88.02	30.113	0	ITEM# 388A+288AVS
100	5005.64	3,358	2502.82	100	0	ITEM# 388A+288AVS
18.8123	157.03	0.188	78.51	18.8128	0	ITEM# 388A+288AVS
10.0123	5002.06	3.347	2501.03	100	0	ITEM# 388A+288AVS
14 4141	183.58		91.79	14.4141	0	ITEM# 388A+288AVS

Lot# DESCRIPTION END FITTINGS USED V01010627001 END RELEASE BUCKLE AND TONGUE W/ CHROME ANCHORS FLAT .505 RELEASE #1 END RELEASE B&T V01010627001 V01010627001 END RELEASE BUCKLE AND TONGUE W/ CHROME ANCHORS FLAT .505 RELEASE #2 END RELEASE B&T V01010627001 V01010627001 END RELEASE BUCKLE AND TONGUE W/ CHROME ANCHORS FLAT .505 RELEASE #3 END RELEASE B&T V01010627001

Notes:

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- <u>1</u>

Test Information

Sample Description: End release adj. tongue Test Description: THI lock Lot Number: 002-082213 Sample Date: 8f26/13 Customer: SBS Technician: Tate Tested: Aug 26, 2013 - 9:12 AM Part Namber: 288A

Test Results File: C.Wfost Results\288A.csv

Test Parameter File: C:\Test Parameters\285A.par

Test Results

60.0°	0.0°	<i>X</i> 0	18.45	Tilt Lock
High Limit	Low Limit	Judgement	Angle	

8/26/2013	Test Date.	
ec.	Lest Population	10001
माध्यक्रे विक्रीस	eyed Agamayay Bayer	5.1

16.	84797201.5		read 1 See	Chei of Var
		West of the	ALICE CALLS	
	Acceleration	1,140.2	92.7	3, 13
	AND A COURSE	3,333.4	137.7	3.23
	Mgx, Fulka:	1,666 7	53.8	3.23
	MONE COLUMN	55 000	0.000	()(0)

Section. Innotes that

Tensilo Test

Arabizo 13 9:31:27 AM
Sparamen Number 2

1 e.n. 10-scraption: Breaking strongth test
Hern type: 388A-288A

1 of .002-082213
Load Cell Interfece 51, Full Scale: 5000.0 Feurras
hutel Velocity: 4 futritin
Strain Mean, enterit by: Crosshead MotionGage Length
Welfin: 2,000-or-ribes
Max Force
Max Strain

1,175.9 F31

100.000 P31

226, Yrield Stress

100.000 P31

5,66, Yrield Stress

1,5000 P31

256, Yrield Stress

1,5000 P31

257, Y

7,725,9 PSI 0,000 3,223,0 Lbs 2,777 inches 5,674 FSI 26,000 PSI 0,0000 PSI 0,0000 PSI 0,0000 PSI 0,0000 PSI 0,0000 PSI 0,0000 PSI

Phophage one field

1,059,4 PSI 0,000 2,332,9 1 bs 2,332,9 1 bs 2,239 neches 1,991 P PSI 1,000 PSI 0,000 PSI 0,000 PSI 0,000 PSI 0,000 PSI Tensile Lest

Spicuron Number 17

Teat Description Burshing shringth test
from Cell Interface, 5K, Full Scale, 5000, 0 Pounds
Liot - 002-082213

Load Cell Interface, 5K, Full Scale, 5000, 0 Pounds
Initian Velocity - 4 Infinit
Strain Measurement by: Crosshead Moton/Gage Length
Width: 2,0000 miles
Max Delh
Possons Ratio 0,000

Max Force
Max Delh
Possons Ratio 1,259 4 PSI
Possons Ratio 0,000

Amax Delh
Possons Ratio 0,000

Amax Delh
Possons Ratio 0,000

Amax Strain
Fred Strass 1,1935 PSI
Max Strain 0,0000 PSI

2% Yield Strass 0,0000 PSI

5% Yield Strass 0,0000 PSI

5% Yield Strass 0,0000 W

127.3 PSI 0 000 3.251.3 Lbs 2.257 nothes 1.516 PSI 100.000 % 0.000 PSI 0.000 PSI 0.000 PSI 0.000 PSI Personal Rest Stratified Rest Stratified Rest Beneath Rest Incident Restrict Restric

1,240 8 PSI 0,000 2,445 9 Uss 2,222 inches 1,723 0 PSI 58,11 PSI 195,0000 % 0,0000 PSI 0,0000 PSI 0,0000 PSI 0,0000 PSI Francic Fest

National Secretary Street
Spacetane Number 57

Test Descaption: Breaking shough issis:
Hern type: 380A+288A

Los. Otto-082213
Lose Celf Interferce 5K. Full Scale: 5000 0 Pounds
Indial Velcotly: 4 Infrain
Strain Mozer.coment by: Crosshead Motion*Gage Length
Width: 2,000 series
Moder Commissions Ratio
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Moder Porce
Moder Dolf
Street
Moder Street
Poise Street
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Poise Street
Poise Street
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Poise Street



To:

MIDWEST AUTO DESIGNS-CURTFrom:

Company:

574-522-5828

Fax Number:

Total Pages:

Voice Number:

Fax Number:

Voice Number:

Date:

June 24, 2014

Subject:

P.O. Fax Curt

Memo:



Purchase Order Confirmation

Customer:	iviiawest Aut	omotive Design		Date: 6/24/2014
Cust. No.	MIDAD	Contact:	(6)	
.O.#:	Fax Curt	Est.	Ship Date: 6/25/2	2014
mail1:				
mail2:				Fax: 574-522-5828
Ship Via:	ATC Truck	Dro	p Ship To:	
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☐ Customer Suppl	lied Parts Required	☐ Non-Stock Iter	n(s)	Component Part Availability
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Beam's Industries, Inc. Certificate of Compliance

Customer: Midwest Auto Design

Customer Part Number: M2439-008,9

Beam's Part Number: DSCH8652P

PO: N/A

Quantity: N/A

This product is certified to meet the requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 209.



Additional Comments:

None

Certificate Control Number: 1386

Beam's Industries, Inc. Certificate of Compliance

Customer: Midwest Auto Design

Customer Part Number: M2439-007

Beam's Model Number: 1523, FBK-1006-1

PO: N/A

Quantity: N/A

This product is certified to meet the applicable requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 209.



Beam's Industries, Inc. Certificate of Compliance

Customer: Superior Seating

Customer Part Number: \$2330-001,2,3,4,5,6

Beam's Part Number: DSCH23122P

PO: N/A

Quantity: N/A

This product is certified to meet the requirements of Federal Motor Vehicle Safety Standard (FMVSS) No. 209.



Date: 5 /7 /2008

Additional Comments:

None

Certificate Control Number: 1182