



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

HEXPOL COMPOUNDING - BURTON RUBBER PROCESSING
DEVELOPMENT LABORATORY
P.O. Box 377
260 Old State Route 34
Jonesborough, TN 37659
Paul Wilkinson Phone: 423 913 3313

MECHANICAL

Valid To: October 31, 2014

Certificate Number: 1200.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on rubber:

<u>Test Method</u>	<u>Test Description</u>
ASTM D297, Sec. 16.3	Density, Hydrostatic method
ASTM D395, Method B	Compression set of rubber
ASTM D412, Method A	Rubber properties in tension
ASTM D471	Effect of liquids on rubber
ASTM D573	Deterioration in an air oven
ASTM D624	Tear resistance (Type C)
ASTM D865	Deterioration by heating in air (Test tube enclosure)
ASTM D1646	Viscosity and vulcanization characteristics (Mooney viscometer)
ASTM D2084	Vulcanization using oscillating disk cure meter
ASTM D2240	Durometer hardness (Shore A and D)
ASTM D5289	Vulcanization using rotorless cure meters



American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

HEXPOL COMPOUNDINGBURTON RUBBER PROCESSING DEVELOPMENT LABORATORY

Jonesborough, TN

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).

Presented this 5th day of October 2012.





President & CEO

For the Accreditation Council
Certificate Number 1200.01
Valid to October 31, 2014

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

HEXPOL COMPOUNDING - BURTON RUBBER PROCESSING
BURTON DEVELOPMENT LABORATORY
14330 Kinsman Road
Burton, OH 44021-0366
Ms. Lynn McIntyre Phone: 440 834 5539

MECHANICAL

Valid To: May 31, 2013

Certificate Number: 0121.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on rubber:

<u>Test</u>	<u>Test Method</u>
Specific Gravity (Section 16.3)	ASTM D297
Rubber Property - Compression Set (Part B)	ASTM D395
Rubber Properties in Tension (Strength, Modulus & Elongation)	ASTM D412
Rubber Property - Effect of Liquids	ASTM D471
Rubber Deterioration in an Air Oven	ASTM D573
Rubber Properties in Compression	ASTM D575
Rubber Property - Tear Resistance	ASTM D624
Rubber Deterioration by Heating in Air (Test Tube Enclosure)	ASTM D865
Rubber Property - Staining of Surfaces (Methods A & B)	ASTM D925-88(2000)
Rubber Deterioration - Surface Ozone Cracking (Flat Specimens)	ASTM D1149
Rubber Deterioration - Surface Ozone Cracking (Triangular)	ASTM D1171
Rubber Property - Compression Set at Low Temperatures	ASTM D1229
Viscosity and Vulcanization Characteristics (Mooney Viscometer)	ASTM D1646
Rubber Property - Vulcanization (Oscillating Disk Cure Meter)	ASTM D2084
Rubber Property - Brittleness Point	ASTM D2137
Rubber Property - Durometer Hardness (Shore A)	ASTM D2240
Rubber Property - Resilience (Vertical Rebound)	ASTM D2632
Rubber Property - Vulcanization (Moving Die Cure Meter)	ASTM D5289
Procedures for Mixing Compounds and Preparing Vulcanized Sheets	01001 **

** - Internal Burton Development Laboratory Method



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

HEXPOL COMPOUNDING - BURTON RUBBER PROCESSING

Burton, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 1st day of June 2011.

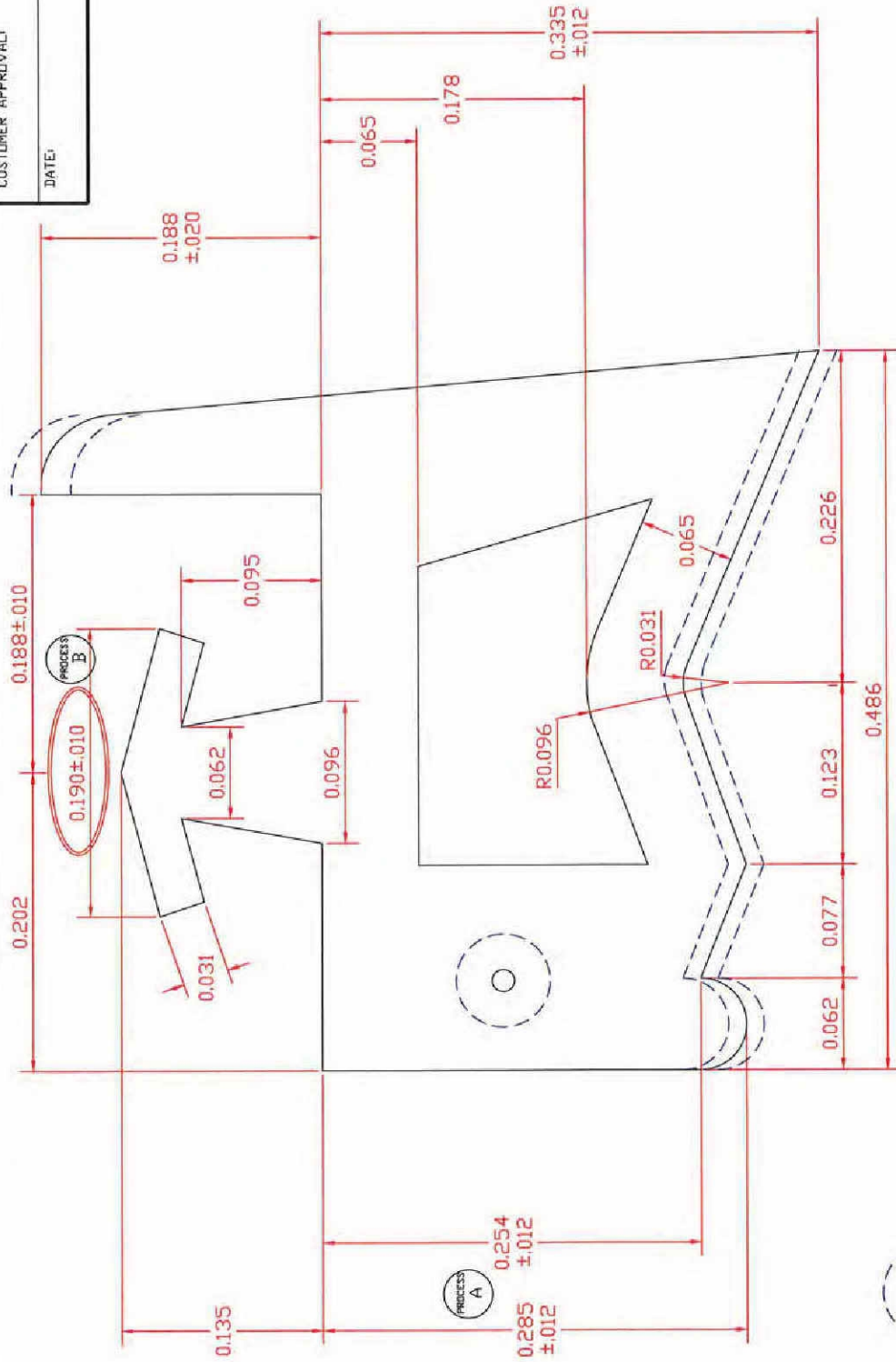


A handwritten signature in black ink, reading "Peter Abney".

President & CEO
For the Accreditation Council
Certificate Number 0121.01
Valid to May 31, 2013
REVISED June 2, 2011

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.

CUSTOMER APPROVAL
DATE:



EXTRUDED POLYMER SOLUTIONS
EPG
FOR GLAZING, INC.

1205 Danner Drive
Aurora, Ohio 44202
(330) 995-9725 fax (330) 995-9734

EPG PART NUMBER	3546-02-00	DATE	4-07-00
CUSTOMER PART NUMBER	.250FC/.188DC/.188TL	SCALE	10X
COMPOUND NUMBER	260555	AREA	.127
DIE NUMBER	3546	FILE	35460200
		DRAWN BY MRG	

ACCEPTABLE STRING LOCATION

3546-02-00 300'/REEL 600'/BOX
3546-02-01 400'/REEL 400'/BOX

ALL TOLERANCES ARE
RMA CLASS II UNLESS
OTHERWISE NOTED



ACTUAL SIZE



Project #: 75308
Customer: TRELLEBORG SEALING PROFILES
Compound: RM260864
Chemist: JacksonMi
Order #: 75308-1(2)
Specs: ASTM C864

HEXPOL COMPOUNDING-BURTON RUBBER
Development Laboratory
14330 KINSMAN ROAD
BURTON, OH 44021

Cure Slab 10 Min. @ 350 °F
Cure Button 30 Min. @ 350 °F

Original Physicals	SPEC	RESULT
D412-06a Tensile.....	1600 PSI MIN	1762 PSI
Elongation.....	250% MIN	507%
D2240-05 Durometer Shore A.....	60 +/- 5 PT	64 PT
D624-00 Tear Die C.....		
TStrength.....	150 LBF/IN MIN	210 LBF/IN
D395-03 Compression Set		
22 Hrs. @ 100 °C	SPEC	RESULT
Thickness Change (C/S).....		
Thickness % Change.....	30% MAX	25.3%
D573-04 Heat Aging in Air		
70 Hrs. @ 100 °C	SPEC	RESULT
Tensile.....		
Tensile % Change.....	15% MAX	2%
Elongation % Change.....	40% MAX	-23%
Durometer Shore A.....		
Durometer Change.....	10 PT MAX	3 PT
D1149-07 Ozone Method B-Procedure B1.....	NO CRACKS	PASS
100 Hrs. @ 40 °C ; 100 mPA OF OZONE Conditioned for 24 Hrs before exposure SAMPLES STRAINED 20%		
D925-88-B Migration Stain.....		PASS
D2137-10 Brittleness Point Method A		
Brittleness 3 Min. @ -40 °C.....	SPEC	RESULT
		PASS

Technician: Bret Hurst

Date: 8-22-11

Sealing Profiles U.S. Inc.



TRELLEBORG

60 DUROMETER EPDM

(3546 - interior)

RM260864

Properties of ASTM C-864-05	Required Value	RM260864 Typical Value	ASTM Test Method
Hardness, Shore A	55-65	63	D2240
Compression set, 22 h @ 100 C, max. %	30	26.9	D395
Ozone resistance, 100 MPa, 100h@40C, 20% elongation	No cracks	No cracks	D 1149
Tensile strength, MPa (psi)	11 (1600)	(2002)	D 412 Die C
Elongation @ rupture, min. %	250	500	D 412 Die C
Heat aging, 70 h @ 100 C:	10	+1	D573
Hardness increase, max. d Change	15	+6.7 -	D573
in tensile strength, Change in elongation, max.	40	29	D573
Tear strength, min. kN/m, (lbf/in)	26.3(150)	(214)	D 624 Die C
Brittleness temperature, 3 minutes @ -40 C	No cracks	No cracks	D746
Nonstaining	No migratory stain	No migratory stain	D925
Flame propagation: Option II	No limit	No limit	C 1166



Corporate Office: 500 Lena Drive, Aurora, OH 44202 • (330) 995-9725 • FAX (330) 995-9734
 Manufacturing: 1780 Miller Parkway, Streetsboro, OH 44241 • (330) 995-9725 • FAX (330) 995-5298