

Eric Tango

Manager, Engineered Rubber
Solutions

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May 3, 2012

Mr. David Oliver
YKK-AP America, Inc.
7680 The Bluffs, Suite 100
Austell, GA 30168
p 678-838-6066

RE: ASTM Specifications

Dear Mr. Oliver,

Tremco produces the following extrusions from our 70 Durometer Dense EPDM rubber. This material has been tested in accordance with ASTM C 864, Option II specifications. Profile drawings, material specification data sheets and laboratory test reports have been attached for your reference.

E2-0671 / TR-13770E

E2-0672 / TR-13771E

Please contact me if you require further assistance.

Sincerely,



Eric Tango

cc: Jim Stewart, File

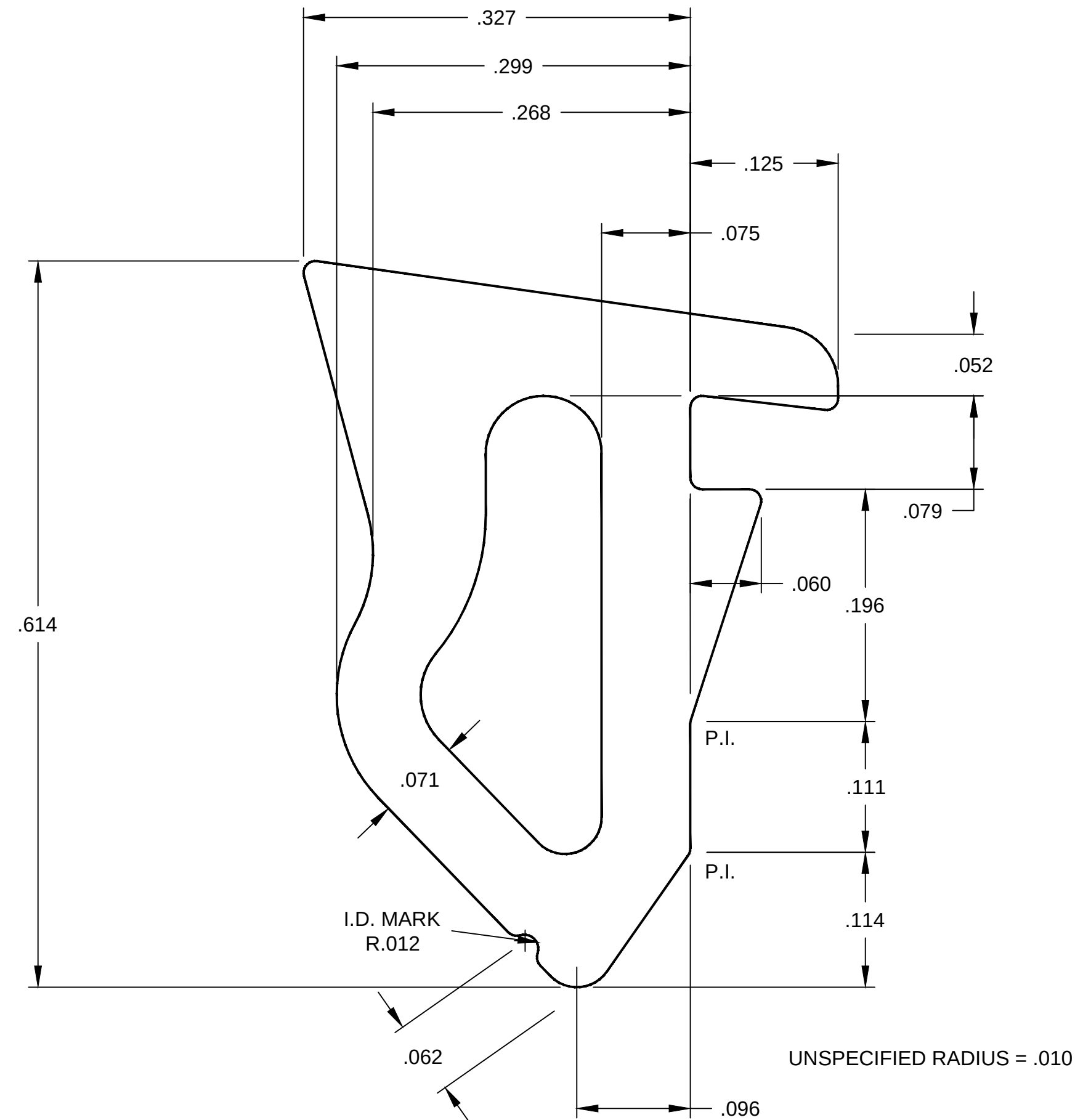


The design of the gasket shown herein is the product of Tremco Incorporated. No reproduction or use of this design is authorized without the consent of Tremco Incorporated.

EXTRUSION CUT LENGTH TOLERANCE			1	3-24-05	DURO WAS 85	EJT
0	- 1.6"	±.060"	No.	Date	Description	By
1.6"	- 2.5"	±.080"	 1451 Jacobson Ave Ashland, Ohio 44805 U.S.A. Phone : 800-321-6357 Fax : 419-289-6645			
2.5"	- 4.0"	±.100"				
4.0"	- 6.3"	±.130"				
6.3"	- 10.0"	±.160"				
10.0"	- 16.0"	±.200"				
16.0"	- 25.0"	±.250"	Customer:			Customer Part No.
25.0"	- 40.0"	±.400"	YKK			E2-0671
40.0"	- 63.0"	±.500"	Project:			
63.0"	- 100.0"	±.630"	YOW 225TU, YVS 410TU			
100.0"	- 160.0"	±.800"	Drawn by: E. TANGO		Scale: 10X	Date: 3/16/2005
+160.0"	±.50%		Compound: EPDM		Designed F.C. .188	Drawing No. TR-13770E
			Durometer: 70 ±5		Area:	



FULL SCALE



The design of the gasket shown herein is the product of Tremco Incorporated. No reproduction or use of this design is authorized without the consent of Tremco Incorporated.

EXTRUSION CUT LENGTH TOLERANCE		1	3-24-05	DURO. WAS 85		EJT
No.		Date	Description			By
0	- 1.6"	±.060"	TREMCO® SEALANT / WEATHERPROOFING DIVISION 1451 Jacobson Ave Ashland, Ohio 44805 U.S.A. Phone : 800-321-6357 Fax : 419-289-6645			
1.6"	- 2.5"	±.080"				
2.5"	- 4.0"	±.100"				
4.0"	- 6.3"	±.130"				
6.3"	- 10.0"	±.160"				
10.0"	- 16.0"	±.200"	Customer:			Customer Part No.
16.0"	- 25.0"	±.250"	YKK			E2-0672
25.0"	- 40.0"	±.400"	Project:			
40.0"	- 63.0"	±.500"	YOW 225TU, YVS 410TU			
63.0"	- 100.0"	±.630"	Drawn by: E. TANGO		Scale: 10X	Date: 3/16/2005
100.0"	- 160.0"	±.800"	Compound: EPDM		Designed F.C. .250	Drawing No.
+160.0"	±.50%		Durometer: 70 ±5		Area:	TR-13771E



EXCEL POLYMERS, LLC
LAB RESULTS REPORT
CONFIDENTIAL



Testing Certificate #0121-01
ISO 9001:2008 Cert #38685

Project #: 74326
Customer: TREMCO, INC. - ASHLAND, OH
Compound: WJT-7522 EXP
Chemist: TothWJ
Order #: 74326-1
Specs: ASTM C864 70 DURO

Excel Polymers LLC
Development Laboratory
14330 Kinsman Road
Burton, OH 44021-0366

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

Original Physicals	SPEC	RESULT
D412-06a Tensile.....	1800 PSI MIN	2040 PSI
Elongation.....	200% MIN	376%
D2240-05 Durometer Shore A.....	70 +/-5 PT	73 PT
D624-00 Tear Die.....		
TStrength.....	100 LBF/IN MIN	200 LBF/IN

D395-03 Compression Set
22 Hrs. @ 100 °C

	SPEC	RESULT
Thickness Change (C/S).....		
Thickness % Change.....	30% MAX	19.5%

D573-04 Heat Aging in Air
70 Hrs. @ 100 °C

	SPEC	RESULT
Tensile.....		
Tensile % Change.....	15% MAX	0%
Elongation % Change.....	40% MAX	-28%
Durometer Shore A.....		
Durometer Change.....	10 PT MAX	4 PT

D1149-07 Ozone Method B-Procedure B1.....
100 Hrs. @ 40 °C ; 100 mPA OF OZONE
Conditioned for 24 Hrs before exposure
SAMPLES STRAINED 20%

	NO CRACKS	PASS
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D925-88-B Migration Stain.....

		PASS
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D2137-10 Brittleness Point Method A

	SPEC	RESULT
Brittleness 3 Min. @ -40 °C.....		PASS

Technician:

Butt Hurst

Date: 4-26-11