PORON[®] EVExtend 4701-43RL



Converter, and Fabricator www.jbc-tech.com

PROPERTY	TEST METHOD	VALUE		
PHYSICAL	· · · · · · · · · · · · · · · · · · ·			
Density, kg /m ³ (lb. / ft ³)	ASTM D 3574-95, Test A	160 (10)	192 (12)	
Tolerance, %		± 10		
Thickness, mm		1.0 - 3.0	1.0 - 3.0	
(inches)		(0.039 - 0.118)	(0.039 - 0.118)	
Tolerance, %, ≥2mm		5%		
Tolerance, %, <2mm		7.5%		
Standard Color (Code)		Black (04)		
Compression Force Deflection,	0.51 cm/min (0.2" / min). Strain Rate			
Range kPa (psi)	Force Measured @ 25% Deflection	27-55 (4-8)	41-83 (6-12)	
Typical kPa (psi)	Force Measured @ 10% Deflection	32.8 (4.8)	43.4 (7.0)	
	Force Measured @ 20% Deflection	36.6 (5.3)	56.5 (8.2)	
	Force Measured @ 25% Deflection	39.1 (5.7)	61.1 (8.9)	
	Force Measured @ 30% Deflection	42.1 (6.1)	66.3 (9.6)	
	Force Measured @ 40% Deflection	50.9 (7.4)	81.5 (11.8)	
	Force Measured @ 50% Deflection	66.1 (9.6)	108 (15.6)	
	Force Measured @ 60% Deflection	97.9 (14.2)	162 (23.5)	
	Force Measured @ 70% Deflection	181 (26.3)	306 (44.4)	
	Force Measured @ 80% Deflection	450 (65.2)	728 (106)	
Compression Set, % max.	ASTM D 3574-95 Test D @ 23°C (73°F)	5 5		
	ASTM D 3574-95 Test D @ 70°C (158°F)			
Tensile Strength, Min. kPa, (psi)	ASTM D 3574-75 Test E	345 (50)		
Tensile Elongation, % min.,	ASTM D 3574-75 Test E	80		
Tear Strength, kN/m (pli) min	ASTM D 264-91 Die C	1.23 (7)		
ELECTRICAL AND THERMAL				
Thermal Conductivity, W/m-C (BTU-in./hr/ft²-F)	ASTM C 518-98	0.050 (0.35)	0.052 (0.36)	
Dielectric Strength, volts/mil	ASTM D150 measurements at 22°C (72°F) relative humidity, 50% for 24 hours	56		



The information contained in this data sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. It is not intended to and does not createanywarranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this data sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers PORON Polyurethane Materials for each application. The Rogers logo, PORON and the PORON logo are trademarks of Rogers Corporation or one of its subsidiaries. © 2018 Rogers Corporation. All rights reserved. 1218-PDF • Publication #17-406



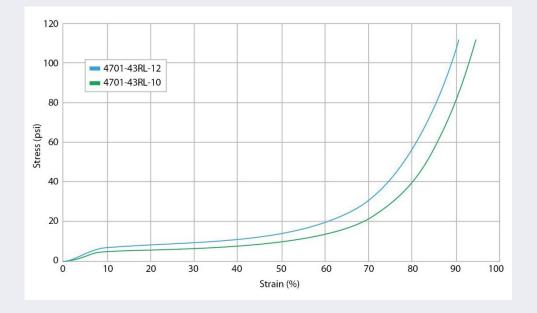
PROPERTY	TEST METHOD	VAL	UE	
TEMPERATURE RESISTANCE				
Recommended Constant Use, max.	SAE J-2236	90C		
Recommended Intermittent Use, max.		121C		
Embrittlement	ASTM D 746-98	-20°C		
FLAMMABILITY AND OUTGASSING				
Outgassing, Total Mass Loss (TML) %	Internal Method: 24 hrs @ 125°C (257°F)	0.73	0.66	
Outgassing, Water Vapor Regain (WVR) %		0.62	0.51	
ENVIRONMENTAL				
Water Absorption, Immersion Testing, % weight gain, typical	ASTM D 570-95	20		
Water Absorption, High Humidity Exposure, % weight gain, typical	ASTM 3568	2		

**Product is supplied on a release PET.

**Thickness availability may vary by construction type. Contact your local sales or customer service representative.

Notes:

- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specificationlimits.





The information contained in this data sheet is intended to assist you in designing with Rogers'

Elastomeric Material Solutions. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this data sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers PORON Polyurethane Materials for each application. The Rogers logo, PORON and the PORON logo are trademarks of Rogers Corporation or one of its subsidiaries. © 2018 Rogers Corporation. All rights reserved. 1218-PDF • Publication #17-406