ROGERS CORPORATION

PORON® Polyurethanes

Argent

Typical Product Properties

Based on global test methods

PORON® 4790-79 SHOCKSEAL® FOAM

PROPERTY	TEST METHOD	TYPICAL VALUE		
PHYSICAL				
Density, kg /m³ (lb / ft³)	ASTM D 3574-95, Test A	192 (12)	240 (15)	320 (20)
Tolerance, %		± 10		
Thickness, mm (inches)		2.03 (0.080) 4.01 (0.158) 9.35 (0.375)	3.18 (0.125) 6.35 (0.250)	1.57 (0.062) 2.36 (0.093)
Tolerance, %		± 10		
Standard Color (Code)		Black (04)		
Compression Force Deflection, kPa (psi)	ISO 6916-1 30mm/min Strain Rate Force Measured @ 25% Deflection	23 (3)	N/A	92 (13)
Compression Set, % max.	ISO 1856 Test A @ 70 C	0.6%	N/A	1.1%
ELECTRICAL				
Dielectric Strength, kV/mm	IEC 243-1	1.7	N/A	2.3
Volume Resistivity, ohm-cm	IEC 60093	7.41E+12	N/A	7.92E+14
Surface Resistivity, ohm/sq	IEC 60093	1.38E+14	N/A	8.73E+14
TEMPERATURE RESISTANCE				
Recommended Constant Use, max.	UL 157	90°C		
Recommended Intermittent Use, max.	UL 157	121°C		
Embrittlement	ISO 974(E)	-38°C		
FLAMMABILITY AND OUTGASSING				
Flammability	UL 94HBF (File E20305) Min. thickness Passed, mm (in)	N/A	N/A	N/A
	ISO 3795, DIN 75200 Min. thickness Passed, mm (in) Max. burn rate (mm/min)	4.01 (0.158) 60	N/A	1.57 (0.062) 81
	MVSS 302 (Pass) Min. thickness Passed, mm (in)	6.35 (0.250)	3.18 (0.125)	1.57 (0.062)
Fogging	ISO 6452, DIN 75201	PASS	PASS	PASS
ENVIRONMENTAL				
Gasketing and Sealing	UL JMST2 (Consisting of UL50 and UL508)	File MH15464		

Notes:

1. All metric conversions are approximate.
2. Additional technical information is available.
3. Typical values should not be used for specification limits.

The information contained in this Data Sheet is intended to assist you in designing with Rogers' PORON Foam Materials. 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 Foam Materials for each application. The Rogers logo, Helping power, protect, connect our world, PORON and ShockSeal are trademarks of Rogers Corporation or one of its subsidiaries. 2016 Rogers Corporation, All rights reserved. Printed in U.S.A. 0116-PDF, **Publication # 17-324**

Helping power, protect, connect our world™