

PORON EVExtend® 4701-71

PROPERTY	TEST METHOD	71-20118	71-25118
PHYSICAL			
Density, kg/m³ (lb./ft³)	ASTM D3574-95, Test A	320 (20)	400 (25)
Tolerance, %		± 10	
Thickness, mm (inches)		3.0 (0.118)	3.0 (0.118)
Tolerance, %		±10	
Standard Color (Code)		Spring Green (112)	
Compression Force Deflection, Typical kPa (psi)	0.51 cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection	103-207 (15-30)	207-345 (30-50)
Compression Set, % max.	ASTM D3574-95 Test D @ 70°C (158°F)	10	
Tensile Strength, min. kPa, (psi)	ASTM D3574-95 Test E	1379 (200)	1723 (250)
Tensile Elongation, % min.	ASTM D3574-95 Test E	300	
Tear Strength, pli min.	ASTM D264-91 Die C	20	30
ELECTRICAL AND THERM	AL	<u>-</u>	
Thermal Conductivity, W/M-K (BTU-in./hr/ft²-F)	ASTM C518-98	0.075 (0.52)	0.079 (0.55)
Dielectric Strength, volts/mil	ASTM D150 Measurement @ 22°C (72°F) Relative Humidity, 50% for 24 hours	60	78





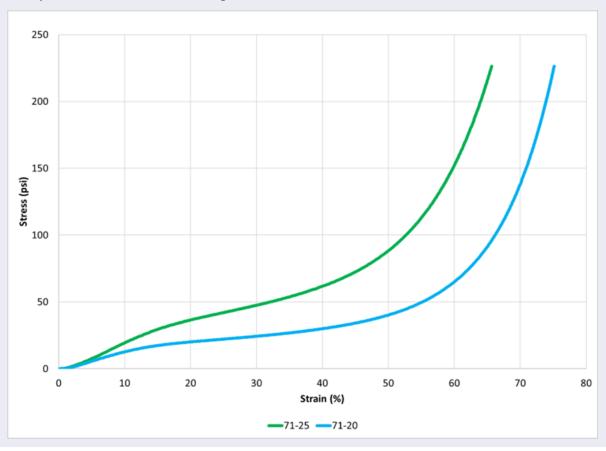
PROPERTY	TEST METHOD	71-20118 71-25118	
TEMPERATURE RESISTANCE			
Recommended Constant Use, max	SAE J-2236	90°C (194°F)	
Recommended Intermittent Use, max		121°C (250°F)	
Embrittlement	ASTM D746-98	-40°C (104°F)	

Notes:

- Thickness availability may vary by construction type.
- All metric conversions are approximate
- Additional technical information is available
- Typical values should not be used for specification limits

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com

Graph 1: Compression Force Deflection Full Range (ASTM D1056)





The information contained in this Preliminary 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 Preliminary 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 EVExtend, and the PORON EVExtend logo are trademarks of Rogers Corporation or one of its subsidiaries. © 2023 Rogers Corporation. All rights reserved. 1223-PDF • Publication #17-501