Preliminary Data Sheet

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 THERMAL			
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

ROGERS CORPORATION

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)