Argent

PORON® EVExtend 4701-43RL

poron EXTEND

PROPERTY	TEST METHOD	VALUE	
PHYSICAL			
Density, kg /m³ (lb. / ft³)	ASTM D 3574-95, Test A	160 (10)	192 (12)
Tolerance, %		± 10	
Thickness, mm (inches)		1.0 – 3.0 (0.039 - 0.118)	1.0 – 3.0 (0.039 - 0.118)
Tolerance, %, ≥2mm		5%	
Tolerance, %, <2mm		7.5%	
Standard Color (Code)		Black (04)	
Compression Force Deflection, Range kPa (psi)	0.51 cm/min (0.2" / min). Strain Rate 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 (7.3)
	Force Measured @ 20% Deflection	36.6 (5.4)	56.5 (8.6)
	Force Measured @ 25% Deflection	39.1 (5.8)	61.1 (9.3)
	Force Measured @ 30% Deflection	42.1 (6.3)	66.3 (10.2)
	Force Measured @ 40% Deflection	50.9 (7.7)	81.5 (12.5)
	Force Measured @ 50% Deflection	66.1 (10.0)	108 (16.6)
	Force Measured @ 60% Deflection	97.9 (15.0)	162 (25.2)
	Force Measured @ 70% Deflection	181 (27.8)	306 (47.6)
	Force Measured @ 80% Deflection	450 (69.2)	728 (115)
Compression Set, % max.	ASTM D 3574-95 Test D @ 23°C (73°F) ASTM D 3574-95 Test D @ 70°C (158°F)	5 5	
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	

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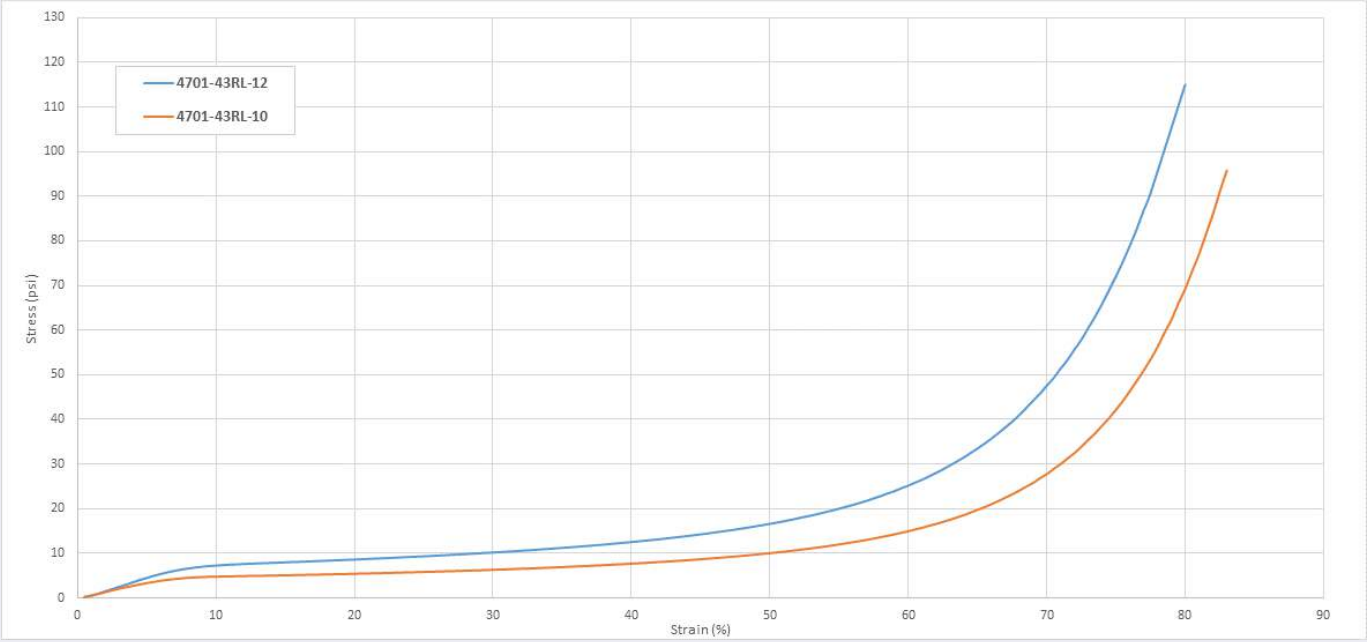
PROPERTY	TEST METHOD	VALUE	
TEMPERATURE RESISTANCE			
Recommended Constant Use, max.	SAE J-2236	90C	
Recommended Intermittent Use, max.		121C	
Embrittlement	ASTM D 746-98	-20°C	
FLAMMABILITY AND OUTGASSING			
Outgassing, Total Mass Loss (TML) %	Internal Method: 24 hrs @ 125˚C (257˚F)	0.73	0.66
Outgassing, 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.



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