Argent

poron® ALWAYS THERE

PORON® AquaPro® Family Formulation 37

PROPERTY	TEST METHOD	VALUE
PHYSICAL		
Density, kg/m³ (lb./ft³)	ASTM D 3574-95, Test A	224 (14)
Tolerance, kg/m³ (lb./ft³)		± 32 (2)
Thickness, mm (inches)	ASTM D 3574-95, Test A	1.5 - 12.7 (0.059 - 0.500)
Tolerance, %		± 10
Standard Color (Code)		Black (04)
Compression Force Deflection, kPa (psi)	0.51 cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection	24 - 59 (3.5 - 8.5)
Compression Set, % max After 24 Hour Recovery	ASTM D3574-95 Test D @ 70°C (158°F)	10
Tensile Strength, min. kPa (psi)	ASTM D3574 Test E	248 (36)
Tensile Elongation, % min.	ASTM D3574 Test E	150
Tear Strength , min. kN/m, (pli)	ASTM D264 Die C	0.96 (5.5)
TEMPERATURE RESISTANCE		
Recommended Constant Use, max.	SAE J-2236	90°C (194°F)
Recommended Intermittent Use, max.	UL 157	121°C (250°F)
Embrittlement	ASTM D746	-42°C (-44°F)
Cold Flexibility	GMW3154 (Conical Mandrel Bend Test)	No Cracking

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PROPERTY	TEST METHOD	VALUE
FLAMMABILITY & OUTGASSING		
Flammability, mm (inches)	UL 94HBF‡ (Pass ≥) FMVSS 302 (Pass ≥) GMW3232 (Pass≥)	3.0 (0.118) 3.0 (0.118) 3.0 (0.118)
Fogging	SAE J-1756 3 hrs @ 100°C (212°F)	No Fogging
Outgassing, Total Mass Loss (TML) %	ASTM E595 24 hrs @ 125°C (257°F) @ <7 x 10^3 Pa	0.81
Outgassing, Collected Volatile Condensable Materials (CVCM) %		0.02
Outgassing, Water Vapor Regain (WVR) %		0.49
ENVIRONMENTAL		
Gasketing and Sealing	UL JMST2 (Consisting of UL50 & UL508) CAN/CSA-C22.2 No. 94-M91	File MH15464
Moisture Absorption, High Humidity Exposure, % Weight Gain	AMS 3568	1.1
Water Absorption, Vacuum Exposure, % Weight Gain	ASTM D1056	5
UV Resistance, ΔE % Gloss Change	ASTM G154/SAE J1545	2.8 - 63
Ozone Resistance	ISO 1431-1	No cracks or other indication of material breakdown.
Corrosion Resistance	AMS 3568	6
Mildew Resistance	GMW 3259	No visual evidence of growth. No odor.

Notes:

‡Designed to meet UL 94 HBF based upon 2022 test criteria. As of 2023 items with nominal density ≥ 15.6lb/ft^3 (250kg/m^3) are no longer eligible to be tested for UL 94 HBF but remain equivalent.

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

To order PORON materials, please contact our Sales Specialists at 860.928.3622 or via email at EMS_CT_cust_serv@rogerscorporation.com

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