Argent

poron EXTEND

PORON EVExtend®
4701-43HBF

PROPERTY	TEST METHOD	VALUE	
PHYSICAL			
Description		**43HBF-10**	**43HBF-12**
Density, kg /m^3 (lb. / ft^3)	ASTM D 3574-95, Test A	168.2 (10.5)	192 (12)
Tolerance, %		± 10	
Thickness, mm (inches)		1.6 - 3.0 (0.063 - 0.118)	1.0 - 3.0 (0.039 - 0.118)
Tolerance, %		± 10	
Standard Color (Code)		Black (04)	
Compression Force Deflection, Range kPa (psi)	0.51 cm/min (0.2" / min). Strain Rate Force Measured @ 25% Deflection	34.5 - 69 (5 - 10)	48 - 103 (7 - 15)
Typical kPa (psi)		49 (7.1)	80 (11.6)
Compression Set, % max.	ASTM D 3574-95 Test D @ 23°C (73°F) ASTM D 3574-95 Test D @ 70°C (158°F)	--- 10	
Tensile Strength, Min. kPa, (psi)	ASTM D 3574-75 Test E	552 (80)	
Tensile Elongation, % min.	ASTM D 3574-75 Test E	80	
Tear Strength, kN/m, (pli) min.	ASTM D 264-91 Die C	1.75 (9)	
ELECTRICAL & THERMAL			
Thermal Conductivity, W/m-C (BTU-in./hr/ft^2-F)	ASTM C 518-98	0.50 (0.35)	0.052 (0.36)
Dielectric Strength, volts/mil	ASTM D 150 @ 22°C (72°F) relative humidity 50% for 24 hrs	56	

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PORON EVExtend 4701-43HBF, cont'd

PROPERTY	TEST METHOD	VALUE	
TEMPERATURE RESISTANCE			
Recommended Constant Use, max.	SAE J-2236	90°C (194°F)	
Recommended Intermittent Use, max.		121°C (250°F)	
Embrittlement	ASTM D 746-98	-20°C (-4°F)	
FLAMMABILITY & OUTGASSING			
Flammability, mm (inches)	UL 94HBF (File 20305) (Pass ≥)	1.6 (0.063)	---
	UL 94HF1 (File 20305) (Pass≥)	---	1.0 (0.039)
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, High Humidity Exposure, % weight gain, typical	AMS 3568	2	
Water Absorption, Immersion Testing, % weight gain, typical	ASTM D 570-95	20	

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 specification limits.
- First version TDS is based upon limited qualification data and will be updated over time as more materials are produced.

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