

PORON® 4701-30 Very Soft (Supported)

Based on Global Test Methods

Density, kg/m³ (llb./ft³)	PROPERTY	TEST METHOD	ТҮРІС	TYPICAL VALUE	
Tolerance, % ± 10 Thickness, mm (inches)	PHYSICAL				
Thickness, mm (inches) 1.63 (0.064) 2.41 (0.095) 0.53 (0.021) 0.94 (0.037) 1.19 (0.047) Tolerance, % ± 10 ± 15 Standard Color (Code) Black (04) Compression Force Deflection, kPa (psi) 30mm/min Strain Rate Force Measured @ 25% Deflection 41 (6) - Compression Set, % max ISO 1856 Test A @ 70°C (158°F) 1.9 - Dimensional Stability, % max change 22 hrs @ 80°C (176°F) in a Forced-Air Oven ± 1 ± 1 ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 3.8 - Volume Resistivity, ohm-cm IEC 60093 1.91E + 13 - Surface Resistivity, ohm/sq IEC 60093 4.19E + 15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Density, kg/m³ (lb./ft³)	ASTM D3574-95, Test A	320 (20)	400 (25)	
Thickness, mm (inches) 2.41 (0.095) 0.94 (0.037) 1.19 (0.047) Tolerance, % ± 10 ± 15 Standard Color (Code) Black (04) Compression Force Deflection, kPa (psi) Force Measured @ 25% Deflection Compression Set, % max ISO 1856 Test A @ 70°C (158°F) Dimensional Stability, % max change 1.9 ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 Dielectric Strength, kV/mm IEC 60093 1.91E +13 - Surface Resistivity, ohm/sq IEC 60093 1.91E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Tolerance, %		± 10		
Thickness, mm (inches) 2.41 (0.095) 0.94 (0.037) 1.19 (0.047)	Thickness, mm (inches)		1 63 (0 064)	0.53 (0.021)	
Tolerance, % ± 10 ± 15 Standard Color (Code) Black (04) Compression Force Deflection, kPa (psi) 30mm/min Strain Rate Force Measured @ 25% Deflection Compression Set, % max ISO 1856 Test A @ 70°C (158°F) 1.9 - Dimensional Stability, % max change 22 hrs @ 80°C (176°F) in a Forced-Air Oven ± 1 ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 3.8 - Volume Resistivity, ohm-cm IEC 60093 1.91E +13 - Surface Resistivity, ohm/sq IEC 60093 4.19E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -			` '	0.94 (0.037)	
Standard Color (Code) Compression Force Deflection, kPa (psi) Somm/min Strain Rate Force Measured @ 25% Deflection Compression Set, % max ISO 1856 Test A @ 70°C (158°F) Dimensional Stability, % max change 22 hrs @ 80°C (176°F) in a Forced-Air Oven ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 Surface Resistivity, ohm-cm IEC 60093 I.91E +13 - Surface Resistivity, ohm/sq IEC 60093 I.91E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -				1.19 (0.047)	
Compression Force Deflection, kPa (psi) Somm/min Strain Rate Force Measured @ 25% Deflection Compression Set, % max ISO 1856 Test A @ 70°C (158°F) Dimensional Stability, % max change 22 hrs @ 80°C (176°F) in a Forced-Air Oven ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 Surface Resistivity, ohm-cm IEC 60093 1.91E +13 - Surface Resistivity, ohm/sq IEC 60093 4.19E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Tolerance, %		± 10	± 15	
Compression Force Deflection, kPa (psi) Force Measured @ 25% Deflection Compression Set, % max ISO 1856 Test A @ 70°C (158°F) Dimensional Stability, % max change 22 hrs @ 80°C (176°F) in a Forced-Air Oven ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 Surface Resistivity, ohm-cm IEC 60093 1.91E +13 - Surface Resistivity, ohm/sq IEC 60093 4.19E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Standard Color (Code)		Black (04)		
Dimensional Stability, % max change 22 hrs @ 80°C (176°F) in a Forced-Air Oven ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 Volume Resistivity, ohm-cm IEC 60093 1.91E +13 - Surface Resistivity, ohm/sq IEC 60093 4.19E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Compression Force Deflection, kPa (psi)	30mm/min Strain Rate	41 (6)	-	
ELECTRICAL Dielectric Strength, kV/mm IEC 243-1 Volume Resistivity, ohm-cm IEC 60093 Surface Resistivity, ohm/sq IEC 60093 TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Compression Set, % max	ISO 1856 Test A @ 70°C (158°F)	1.9	-	
Dielectric Strength, kV/mm IEC 243-1 3.8 - Volume Resistivity, ohm-cm IEC 60093 1.91E +13 - Surface Resistivity, ohm/sq IEC 60093 4.19E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Dimensional Stability, % max change		±1		
Volume Resistivity, ohm-cm IEC 60093 1.91E +13 Surface Resistivity, ohm/sq IEC 60093 4.19E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	ELECTRICAL				
Surface Resistivity, ohm/sq IEC 60093 4.19E +15 - TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Dielectric Strength, kV/mm	IEC 243-1	3.8	-	
TEMPERATURE RESISTANCE Recommended Constant Use, max. UL 157 90°C (194°F) -	Volume Resistivity, ohm-cm	IEC 60093	1.91E +13	-	
Recommended Constant Use, max. UL 157 90°C (194°F) -	Surface Resistivity, ohm/sq	IEC 60093	4.19E +15	-	
	TEMPERATURE RESISTANCE				
	Recommended Constant Use, max.	UL 157	90°C (194°F)	-	
Recommended Intermittent Use, max. UL 157 121°C (250°F) -	Recommended Intermittent Use, max.	UL 157	121°C (250°F)	-	
Embrittlement ISO 974 (E) -55°C (-67°F) -	Embrittlement	ISO 974 (E)	-55°C (-67°F)	-	





PROPERTY	TEST METHOD	TYPICAL VALUE	
FLAMMABILITY AND OUTGASSIN	NG	320 (20) 400 (25)	
	UL 94HBF [‡] (File E20305) Min. Thickness Passed, mm (in)	-	-
Flammability, mm (inches)	ISO 3795, DIN 75200 Min. Thickness Passed, mm (in) Max. Burn Rate (mm/min)	2.41 (0.095) 75	-
	FMVSS 302 (Pass ≥) Min. Thickness Passed, mm (in)	-	-
Fogging	ISO 6452, DIN 75201	PASS	-
ENVIRONMENTAL			
Gasketing & Sealing	UL JMST2 (Consisting of UL50 & UL508)	File MH15464	

Notes:

†Designed to meet UL 94 HBF based upon 2022 test criteria. As of 2023 items with nominal density \geq 15.6lb/ft³ (250kg/m³) are no longer eligible to be tested for UL 94 HBF but remain equivalent.

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

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

