ROGERS CORPORATION
PORON® Polyurethanes

Argent

Typical Product Properties

PORON® 4701-15 Soft Seal Series

Enhanced Surface Toughness, Reliable Materials for Thinner Designs

PROPERTY	TEST METHOD	VALUE		
PHYSICAL				
Density, kg /m^3 (lb / ft^3) Tolerance, kg /m^3 (lb / ft^3)	ASTM D 3574-95, Test A	104 (6.5) 16 (±1)		
Thickness, mm (inches)		0.53 (0.021)	0.75 (0.030)	1.00 (0.039)
Tolerance, mm (inches)		0.10 (± 0.004)		
Compression Force Deflection, Typical value, kPa (psi)	.51 cm/min (0.2" / min) Strain Rate Force Measured @ 25% Deflection	2.00 (0.29)	2.41 (0.35)	4.62 (0.67)
Compression Set, % max.	ASTM D 3574-95 Test D @ 70 C (158 F)	10		
Standard Color (Code)		Gray (90)		
Thermal Conductivity, W/mK	Rogers Internal (Typical Value)	0.06		

With the exception of the thickness measurement, the data mentioned above represents results of testing the PORON polyurethane foam only. This product is supported on a 2-mil (0.05mm) polyester film (PET) creating a permanent bond. Please see physical property data for the film as represented by the manufacturer below.

Supporting Material - Clear Polyester Film (PET)

PROPERTY	TEST METHOD	VALUE
Coefficient of Friction A/B, (Kinetic)	ASTM D 1894	0.40
Density, kg/m^3 (lb / ft^3)	ASTM D 1505	1395 (87.1)
Modules, MD, kPa (psi)	ASTM D 882	3.5 x 10^6 (500,000)
Shrinkage, MD, %, (TD)	39 min. at 150 C (302 F)	1.2 (0.0)
Tensile Strength, MD, kPa (psi)	ASTM D 882	2.1 x 10^5 (30,000)
Ultimate Elongation, %	ASTM D 882	150
Yield Strength (F5), kPa (psi)	ASTM D 882	1.0 x 10^5 (15,000)

Notes:

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

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