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ABOUT OUR COMPANY

Dr. Dietrich Müller GmbH is a global solution provider for electrical insulation materials, thermally conductive products, seals and technical films.

We advise on the selection of the right material and manufacture precision parts from flexible and rigid materials. We operate 6 sites and provide services to companies around the world.

We are ISO 9001 and ISO 14001 certified and UL listed as a repackager (E341377).

Dr. Dietrich Müller GmbH

Typical Product Properties

PORON® 4701-15 Soft Seal Series

Enhanced Surface Toughness, Reliable Materials for Thinner Designs

PROPERTY	TEST METHOD	VALUE		
PHYSICAL				
Density, kg /m³ (lb / ft³)	ASTM D 3574-95, Test A	104 (6.5)		
Tolerance, kg /m³ (lb / ft³)		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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