

## Rogers Corporation Poron® 4701-15 Urethane Foam, Soft Seal

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced

### Material Notes:

PORON® 4701-15 Improved Soft Seal Series Enhanced Surface Toughness, Reliable Materials for Thinner Designs Increased Surface Toughness, Improved Yields Excellent Compressibility and Conformability Long Term Protection and Sealing Color - Soft Seal Gray Information provided by Rogers Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Rogers-Corporation-Poron-4701-15-Urethane-Foam-Soft-Seal.php](http://www.lookpolymers.com/polymer_Rogers-Corporation-Poron-4701-15-Urethane-Foam-Soft-Seal.php)

Physical Properties	Metric	English	Comments
Density	0.104 g/cc	0.00376 lb/in <sup>3</sup>	ASTM D3574-95 Test A
	1.395 g/cc	0.05040 lb/in <sup>3</sup>	supporting material; ASTM D1505
Thickness	533 - 991 microns	21.0 - 39.0 mil	Range of Thicknesses Available

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	103 MPa	15000 psi	F5, supporting material; ASTM D882
Elongation at Break	150 %	150 %	supporting material; ASTM D882
Tensile Modulus	3.45 GPa	500 ksi	MD, supporting material; ASTM D882
Compressive Yield Strength	0.00200 - 0.00462 MPa @Strain 25.0 %	0.290 - 0.670 psi @Strain 25.0 %	0.2"/min. strain rate, varies with thickness
Coefficient of Friction, Dynamic	0.40	0.40	A/B, supporting material; ASTM D1894
Compression Set	<= 10 % @Temperature 70.0 °C	<= 10 % @Temperature 158 °F	ASTM D3574-95 Test D
Film Tensile Strength at Break, MD	207 MPa	30000 psi	supporting material; ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.2 % @Temperature 150 °C, Time 2340 sec	1.2 % @Temperature 302 °F, Time 0.650 hour	supporting material
Shrinkage, TD	0.00 % @Temperature 150 °C, Time 2340 sec	0.00 % @Temperature 302 °F, Time 0.650 hour	supporting material

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**