

## Rogers Corporation Poron® Shock Seal™ 4790-79-9 Handheld Urethane Foam, Handheld Grade, PET Reinforced

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

### Material Notes:

Extreme Impact Protection, Ultimate Reliability Specifically engineered to protect sensitive components from damage caused by impact  
Consistent cushioning performance through repeated impacts  
Excellent compression set resistance  
Supporting Material - Clear Polyester Film  
Information provided by Rogers Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Rogers-Corporation-Poron-Shock-Seal-4790-79-9-Handheld-Urethane-Foam-Handheld-Grade-PET-Reinforced.php](http://www.lookpolymers.com/polymer_Rogers-Corporation-Poron-Shock-Seal-4790-79-9-Handheld-Urethane-Foam-Handheld-Grade-PET-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	0.144 g/cc	0.00521 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	0.0138 MPa	2.00 psi	0.2"/min. strain rate
	@Strain 25.0 %	@Strain 25.0 %	
Coefficient of Friction, Dynamic	0.40	0.40	A/B, supporting material; ASTM D1894
	<= 5.0 %	<= 5.0 %	
Compression Set	@Temperature 23.0 °C	@Temperature 73.4 °F	ASTM D1667-90 Test D
	<= 10 %	<= 10 %	
Film Tensile Strength at Break, MD	@Temperature 70.0 °C	@Temperature 158 °F	ASTM D3574-95 Test D
	207 MPa	30000 psi	

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

Thermal Properties	Metric	English	Comments
	@ Temperature 150 °C, Time 2340 sec	@ Temperature 302 °F, Time 0.650 hour	material

## Contact Songhan Plastic Technology Co.,Ltd.

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