

# Saint-Gobain COHRLastic® R10450 Medium Fiberglass Reinforced Silicone Sponge Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone

## Material Notes:

Description: Flexible, compressible COHRLastic silicone closed cell sponge is designed for high-performance gasketing, thermal shielding, vibration mounts and press pads. It is available in six constructions. R10450 silicone sponge with fiberglass reinforcement is a unique construction. It has the compressibility of sponge, plus dimensional stability in the X-Y direction. The absence of stretch contributes to the consistent size and shape of die cut parts and eliminates outward extrusion under pressure. All data based on a 0.0625 inch test sample. (Other thicknesses available.) Information provided by Saint Gobain Performance Products.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Saint-Gobain-COHRLastic-R10450-Medium-Fiberglass-Reinforced-Silicone-Sponge-Rubber.php](http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-R10450-Medium-Fiberglass-Reinforced-Silicone-Sponge-Rubber.php)

Physical Properties	Metric	English	Comments
Density	0.554 g/cc	0.0200 lb/in <sup>3</sup>	ASTM D3574
Water Absorption	<= 5.0 %	<= 5.0 %	ASTM D1056

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.862 MPa	125 psi	ASTM D412
Elongation at Break	<= 10 %	<= 10 %	ASTM D412
Compressive Strength	0.103 MPa @Temperature 23.0 Â°C	15.0 psi @Temperature 73.4 Â°F	ASTM D1056
Compression Set	25 %	25 %	ASTM D1056

Thermal Properties	Metric	English	Comments
CTE, linear	324 Âµm/m-Â°C @Temperature 20.0 - 177 Â°C	180 Âµin/in-Â°F @Temperature 68.0 - 350 Â°F	
Specific Heat Capacity	1.26 J/g-Â°C	0.300 BTU/lb-Â°F	
Thermal Conductivity	0.108 W/m-K	0.750 BTU-in/hr-ftÂ²- Â°F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	5.71 kV/mm	145 kV/in	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value <sup>ray</sup>	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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