

## Saint-Gobain COHRLastic® R10480 Soft Low Compression Set 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. R10480 has extremely low compression set and maintains its resiliency even under extended compression. Specification Notes: Meets Specifications: MIL-R-6130 Type II, Grade B&C. All data based on a 0.125 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-R10480-Soft-Low-Compression-Set-Silicone-Sponge-Rubber.php](http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-R10480-Soft-Low-Compression-Set-Silicone-Sponge-Rubber.php)

Physical Properties	Metric	English	Comments
Density	0.332 g/cc	0.0120 lb/in <sup>3</sup>	ASTM D3574
Water Absorption	<= 5.0 %	<= 5.0 %	ASTM D1056

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.345 MPa	50.0 psi	ASTM D412
Elongation at Break	75 %	75 %	ASTM D412
Compressive Strength	0.0345 MPa @Temperature 23.0 °C	5.00 psi @Temperature 73.4 °F	ASTM D1056
Compression Set	5.0 %	5.0 %	ASTM D1056

Thermal Properties	Metric	English	Comments
CTE, linear	324 µm/m-°C @Temperature 20.0 - 177 °C	180 µin/in-°F @Temperature 68.0 - 350 °F	
Specific Heat Capacity	1.26 J/g-°C	0.300 BTU/lb-°F	
Thermal Conductivity	0.108 W/m-K	0.750 BTU-in/hr-ft <sup>2</sup> - °F	

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

Descriptive Properties	Value	Comments
Color	Red	

Descriptive Properties	Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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