

## Saint-Gobain COHRLastic® R10460 Medium Flame Retardant 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. R10460 is flame retardant. When held in a vertical position and exposed to a 2,000°F flame for 12 seconds, there is no residential flame and less than a 10 second afterglow. Like R10480, it is especially resistant to compression set. Specification Notes: Meets Specifications: AMS 3195, MIL-R-6130 Type II, Grade B&C, MIL-R-46089, Boeing BMS 1-23, Boeing BMS 1-60 Type I, Grade B, Douglas DMS 1597, Douglas DMS 1980, Grade 2, MIL-R-6130 Type II, Grade A. 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-R10460-Medium-Flame-Retardant-Silicone-Sponge-Rubber.php](http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-R10460-Medium-Flame-Retardant-Silicone-Sponge-Rubber.php)

Physical Properties	Metric	English	Comments
Density	0.471 g/cc	0.0170 lb/in <sup>3</sup>	ASTM D3574
Water Absorption	<= 5.0 %	<= 5.0 %	ASTM D1056

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.517 MPa	75.0 psi	ASTM D412
Elongation at Break	125 %	125 %	ASTM D412
Compressive Strength	0.0689 MPa @Temperature 23.0 °C	10.0 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	Dark Blue	

## Contact Songhan Plastic Technology Co.,Ltd.

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