

Saint-Gobain COHRLastic® R10480 Medium 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: AMS 3195, MIL-R-6130 Type II, Grade B&C, MIL-R-46089, Boeing BMS 1-23, Douglas DMS 1597. 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-R10480-Medium-Low-Compression-Set-Silicone-Sponge-Rubber.php

Physical Properties	Metric	English	Comments
Density	0.471 g/cc	0.0170 lb/in ³	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 Â°C	10.0 psi @Temperature 73.4 Â°F	ASTM D1056
Compression Set	5.0 %	5.0 %	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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