

Saint-Gobain COHRLastic® R10470 Firm General-Purpose 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. R10470, a general-purpose silicone sponge, can be used in most applications. Specification Notes: Meets Specifications: AMS 3196, MIL-R-6130 Type II, Grade B&C, MIL-R-46089, 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-R10470-Firm-General-Purpose-Silicone-Sponge-Rubber.php

Physical Properties	Metric	English	Comments
Density	0.692 g/cc	0.0250 lb/in ³	ASTM D3574
Water Absorption	<= 5.0 %	<= 5.0 %	ASTM D1056

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.896 MPa	130 psi	ASTM D412
Elongation at Break	200 %	200 %	ASTM D412
Compressive Strength	0.110 MPa @Temperature 23.0 Â°C	16.0 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
Color	Orange-Tan, Black, or Gray	

Descriptive Properties	Value	Comments
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