

Saint-Gobain COHRLastic[®] CF4032 General Purpose Reinforced Solid Rubber

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

Material Notes:

Description: COHRLastic[®] CF silicone solid rubber reinforced with fiberglass is a dimensionally-stable, durable material for press pads, belting and gasketing. It is available in six constructions. CF 4032 and CF 4050 are thin, flexible and abrasion-resistant for general purpose use. GRAY in color. All data based on a 0.03125 inch test sample. (Tolerance of .005"; Thickness shown is for silicone rubber. Fiberglass thickness = 0.014".) Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-CF4032-General-Purpose-Reinforced-Solid-Rubber.php

Physical Properties	Metric	English	Comments
Volatile Organic Compounds (VOC) Content	1.0 g/l	1.0 g/l	Weight Loss (4 hrs at 400 [°] F)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	
Elongation at Break	<= 10 %	<= 10 %	
Flexural Strength	5.17 MPa	750 psi	Diaphragm Burst Strength
Tear Strength	52.6 kN/m	300 pli	

Thermal Properties	Metric	English	Comments
CTE, linear	270 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 $\text{Å}^\circ\text{C}$	150 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 $\text{Å}^\circ\text{F}$	Silicone rubber component
Thermal Conductivity	0.274 W/m-K	1.90 BTU-in/hr-ft $\text{Å}^2\cdot\text{Å}^\circ\text{F}$	

Electrical Properties	Metric	English	Comments
Dielectric Strength	19.7 kV/mm	500 kV/in	

Descriptive Properties	Value	Comments
Color	Gray	

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