

## Saint-Gobain COHRLastic® CF4451 High Surface Resistivity 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 4451 is a fiberglass fabric coated with static dissipating silicone rubber having a surface resistivity of  $1 \times 10^5$  Ohms - cm. Virtually eliminates static electric discharges which cause operator discomfort and can potentially damage electrical laminates. All data based on a 0.0625 inch test sample. (Also available in 0.078"; 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-CF4451-High-Surface-Resistivity-Reinforced-Solid-Rubber.php](http://www.lookpolymers.com/polymer_Saint-Gobain-COHRLastic-CF4451-High-Surface-Resistivity-Reinforced-Solid-Rubber.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	76	76	
Elongation at Break	$\leq 10$ %	$\leq 10$ %	
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 $\mu\text{m/m-}^\circ\text{C}$ @Temperature 20.0 $^\circ\text{C}$	150 $\mu\text{in/in-}^\circ\text{F}$ @Temperature 68.0 $^\circ\text{F}$	Silicone rubber component
Thermal Conductivity	0.274 W/m-K	1.90 BTU-in/hr-ft $^2$ - $^\circ\text{F}$	

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

Descriptive Properties	Value	Comments
Color	Black	

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