

P & P Technology Silicone Sponge

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

The thermal stability of silicone rubber is probably its most important asset. Components made from these rubbers are affected only to a small extent by extremes of temperature, ranging from -90°C to 250°C (depending on grade). Even at temperatures as high as 300°C Silicone rubber will operate for limited periods. Silicone rubber is an excellent electrical insulating material. Resistance to arcing corona, ultra-violet light and ozone is good. It decomposes at 400°C to 500°C leaving an inert, non-flammable and electrically non-conductive residue. It is made of a fine cellular construction composed mainly of non-interconnecting cells and are normally of an off-white color. For continuous use it will stand temperatures between -60°C and -200°C

Information provided by P & P Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_P-P-Technology-Silicone-Sponge.php

Mechanical Properties	Metric	English	Comments
Compressive Strength	0.0700 - 0.110 MPa	10.2 - 16.0 psi	BS4443 Part 1 Method 5B
	@Strain 40.0 %	@Strain 40.0 %	
	0.900 MPa	131 psi	BS4443 Part 1 Method 5B
	@Strain 40.0 %	@Strain 40.0 %	
Compression Set	5.0 %	5.0 %	recovery period 48 hours 25% compression, after 168 hours at 150°C; BS4443 Part 1 Method 6A
	@Temperature 150 °C, Time 252000 sec	@Temperature 302 °F, Time 70.0 hour	
	6.0 %	6.0 %	recovery period 48 hours 25% compression,; BS4443 Part 1 Method 6A
	@Temperature 150 °C, Time 252000 sec	@Temperature 302 °F, Time 70.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	Continuous use
	250 °C	482 °F	Components made from product
	300 °C	572 °F	Limited periods
Minimum Service Temperature, Air	-90.0 °C	-130 °F	Components made from product
	-60.0 °C	-76.0 °F	Continuous use

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