



## GRADE G-7 SILICONE

Electric Arc Furnaces Impeder Tubes	Welding Gun Nozzles Hi-Temp Switch Plates	460F continuous Operating Temp High Thermal Endurance under load
<b>Physical Properties</b>		
Specific Gravity		1.68
Tensile Strength	Lengthwise	PSI 22,500
Tensile Strength	Crosswise	PSI 18,000
Compressive Strength	Flatwise	PSI 45,000
Flexural Strength	Lengthwise	PSI 22,500
Flexural Strength	Crosswise	PSI 20,000
Rockwell Hardness		100
Water Absorption	% 24Hrs (1/16 <sup>th</sup> )	0.30
Heat Resistance	Continuous	Degrees F 460
Flammability	UL94V-0	
<b>Electrical Properties</b>		
Dielectric Strength	Perpendicular (1/16 <sup>th</sup> ) (1/8 <sup>th</sup> )	VPM 400 350
<p>G-7 is a Glass Silicone Thermoset offering excellent Mechanical, Electrical and Thermal properties.</p> <p>G-7 is used as high temperature electrical insulation or thermal insulation in critical applications such as Arc-Welding Tips, Impeder Tubes, Plasma-Cutting insulators, Electric Arc Furnaces.</p>		
<p><i>Values are based on typical Test Methods and Conditions and published for Reference purposes only</i></p>		