



ISO 9001: 2015 - QUALITY ASSURANCE

Distributor & Fabricator of Engineered Plastics & Electrical Insulation Products

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

Physical Properties

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 th)		0.30
Heat Resistance	Continuous	Degrees F	460
Flammability	UL94V-0		

Electrical Properties

Dielectric Strength	Perpendicular (1/16 th)	VPM	400
	(1/8 th)		350

G-7 is a Glass Silicone Thermoset offering excellent Mechanical, Electrical and Thermal properties.

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.

Values are based on typical Test Methods and Conditions and published for Reference purposes only.