



## MATERIAL SPECIFICATION

# GRADE G-7 SILICONE

Specific Gravity	1.68
Lbs per sq ft (1/8 <sup>th</sup> )	1.24
Tensile Strength, PSI, lengthwise	23,000
Tensile Strength, PSI, crosswise	18,500
Compressive Strength, PSI, flatwise	45,000
Flexural Strength, PSI, lengthwise	23,000
Flexural Strength, PSI, crosswise	20,000
Hardness, Rockwell (R)	100
Dielectric Strength, VPM, perpendicular (1/16 <sup>th</sup> )	400
(1/8 <sup>th</sup> )	350
Water Absorption, % 24hrs (1/16 <sup>th</sup> )	0.30
(1/8 <sup>th</sup> )	0.20
(1/2)	0.15
Heat Resistance, degrees F, continuous	460
Flammability	UL94V-0

Grade G-7 is a glass-silicone thermoset laminate noted for good dielectric loss factors and insulation resistance under humid conditions over a wide temperature range.

Grade G-7 is particularly popular in Electric-Arc Induction Furnaces insulation applications.

It is flame retardant – rated UL 94V-0 and offers notably high Thermal Endurance.



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*Values are based on typical Test Methods and Conditions and to be used for Engineering and Design Purposes only*