



ISO 9001: 2008 - QUALITY ASSURANCE

Distributor & Fabricator of Engineered Plastic & Electrical Parts

GRADE G-5

Arc Chutes and Barriers

Receptacle Plates

Terminal Boards

Bus Tube Insulation

Mechanical Properties

Specific Gravity	gm / cc			1.90
Tensile Strength	PSI	lengthwise		36,000
Tensile Strength	PSI	crosswise		30,000
Compressive Strength	PSI	flatwise		70,000
Flexural Strength	PSI	lengthwise		60,000
Flexural Strength	PSI	crosswise		50,000
Hardness	Rockwell (M)			120
Water Absorption	%	24 hrs	0.062 th	1.00
			0.125 th	0.60
			0.500 th	0.40
Heat Resistance / Maximum Constant Operating Temp				280 F

Electrical Properties

Dielectric Strength	VPM	perpendicular	0.062 th	350
			0.125 th	260
Dielectric Constant	1 Mhz	Condition A		7.8

Grade G-5 is a Glass Melamine laminate with high Mechanical and Electrical values, also with excellent relative Arc Resistance and Track Resistance. It is used widely in applications where high Electrical value is required in critical moisture conditions.

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