



ISO 9001: 2008 - QUALITY ASSURANCE

Distributor & Fabricator of Engineered Plastic & Electrical Parts

GRADE LE PHENOLIC SHEET

Spacers, Supports, Flanges, Collars

Wear Plates and Strips, Hubs, Rollers

Bearing Retainers, Guides, Holders, Cylinder Rings

Seal Plates, Terminal Boards

Mechanical Properties

Specific Gravity	gm / cc			1.33
Tensile Strength	PSI	lengthwise		13,000
Tensile Strength	PSI	crosswise		9,000
Compressive Strength	PSI	flatwise		37,000
Flexural Strength	PSI	lengthwise		21,000
Flexural Strength	PSI	crosswise		16,000
Hardness	Rockwell (M)			105
Water Absorption	%	24 hrs	0.062 th	1.30
			0.125 th	0.80
			0.500 th	0.40
Coefficient of Thermal Expansion	cm/cm/Celsius degree			0.0002
Heat Resistance / Maximum Constant Operating Temp				250
UL Flammability				94HB

Electrical Properties

Dielectric Strength	VPM	perpendicular	0.062 th	500
			0.125 th	360
Dielectric Constant	1 Mhz	Condition A		5.8

Grade LE is a fine-weave cloth reinforced phenolic laminate similar to NEMA L but with increased moisture resistance and Electrical values. Fine machineability and punchability enables complex and intricate Electronic components.

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