



ISO 9001: 2008 - QUALITY ASSURANCE

Distributor & Fabricator of Engineered Plastic & Electrical Parts

GRADE L PHENOLIC SHEET

Spacers, Supports, Flanges

Wear Strips, Hubs, Rollers

Bearing Retainers, Guides, Holders, Cylinder Rings

Seal Plates, Terminal Boards

Mechanical Properties

Specific Gravity	gm / cc			1.35
Tensile Strength	PSI	lengthwise		14,000
Tensile Strength	PSI	crosswise		11,000
Compressive Strength	PSI	flatwise		35,000
Flexural Strength	PSI	lengthwise		22,000
Flexural Strength	PSI	crosswise		16,000
Hardness	Rockwell (M)			105
Water Absorption	%	24 hrs	0.062 th	2.00
			0.125 th	1.50
			0.500 th	0.76
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	200
			0.125 th	150
Dielectric Constant	1 Mhz	Condition A		7.0

Grade L is a fine-weave cloth reinforced phenolic laminate recognized for good mechanical value, machineability and cold-punching quality in general-purpose applications such as Flanges, Hubs, Rollers, Guides and Bearings.

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