



ISO 9001: 2015 - QUALITY ASSURANCE

Distributor & Fabricator of Engineered Plastics & Electrical Insulation Products

GRADE X PHENOLIC SHEET

Lo-voltage Panels, Spacers, Clamps, Supports
Coil and Terminal Mounting Pads and Strips

Barriers, Blocks, Shields
Coil Supports, Terminal Boards

Physical Properties

Specific Gravity	gm / cc			1.35
Tensile Strength	PSI	lengthwise		20,000
Tensile Strength	PSI	crosswise		16,000
Compressive Strength	PSI	flatwise		35,000
Flexural Strength	PSI	lengthwise		25,000
Flexural Strength	PSI	crosswise		22,000
Hardness	Rockwell (M)			110
Water Absorption	%	24 hrs	0.062 th	4.00
			0.125 th	2.50
			0.500 th	1.00
Coefficient of Thermal Expansion	cm/cm/Celsius degree			0.0002
Heat Resistance / Maximum Constant Operating Temp				250

Electrical Properties

Dielectric Strength	VMP	Perpendicular	0.062 th	700
			0.125 th	500
Dielectric Constant	1 Mhz	Condition A		6.0

Grade X is general-purpose Paper Phenolic laminate used in numerous applications where Electrical values and moisture resistance are not critical.

Widely available at lo-cost in a variety of thicknesses and sheet sizes.

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