



ISO 9001: 2008 - QUALITY ASSURANCE

Distributor & Fabricator of Engineered Plastic & Electrical Parts

GRADE C PHENOLIC SHEET

Spacers, Supports, Flanges, Clamps

Wear Plates and Strips, Hubs, Rollers

Bearing Retainers, Guides, Holders

Seal Plates, Cylinder Rings

Mechanical Properties

Specific Gravity	gm / cc			1.35
Tensile Strength	PSI	lengthwise		12,000
Tensile Strength	PSI	crosswise		10,000
Compressive Strength	PSI	flatwise		37,000
Flexural Strength	PSI	lengthwise		22,000
Flexural Strength	PSI	crosswise		18,000
Hardness	Rockwell (M)			103
Water Absorption	%	24 hrs	0.062 th	2.75
			0.125 th	1.25
			0.500 th	0.90
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

Similar to Grade CE but with emphasis on Mechanical applications. Generally recognized along with other popular phenolic laminates for it's general-purpose versatility, durability, availability and low cost.

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