Certified ISO 9001:2015 and AS9100 D®

Material Specifications

ST Grade C Phenolic

Density, gm/cc	1.35
Lbs per sq ft (1/8th)	0.9
Tensile Strength, PSI, lengthwise	11,000
Tensile Strength, PSI, crosswise	9,500
Compressive Strength, PSI, flatwise	37,000
Flexural Strength, PSI, lengthwise	22,000
Flexural Strength, PSI, crosswise	18,000
Hardness, Rockwell (M)	103
Dielectric Strength, VPM, perpendicular (1/16th)	200
Water Absorption, % 24hrs (1/16th)	2.70
(1/8th)	1.22
(1/2)	1.00
Heat Resistance, degrees F, continuous	250

Grade C is tough and strong, has high impact strength, machines easily, and is used widely is a variety of applications such as gears, pulleys, blocks and spacers, holders, wedges, friction pads and discs, mounting plates and general-purpose hardware parts.
It is amongst the most widely used and most-consumed Thermosets in the industrial world.

N.B.: Values are based on typical Test Methods and Conditions and to be used for Engineering and Design Purposes only.

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