



COMPOUND: PF15

POLYMER: Phenolic (Thermoset)

DESCRIPTION: Glass Fiber Reinforced Phenolic Compound, Black Colored

Property	Test Method	Internal Specification Values	Typical Values	Units
Specific Gravity	ASTM D792A / ISO 1183	1.89 ± .02	1.89	-
Hardness	ASTM D785 / ISO 2039-2	104 Minimum	109	ROCKWELL M
Compressive Strength	ASTM D695 / ISO 604	25,000 (172.37) Minimum	29,600 (204)	PSI (MPa)
Tensile Strength	ASTM D651 / ISO R527-3		11,500 (79)	PSI (MPa)
Flexural Strength	ASTM D790 / ISO 178		16,600 (114)	PSI (MPa)
Flexural Modulus	ASTM D790 / ISO 178		2.4 X 10 ⁶ (1.65 X 10 ⁴)	PSI (MPa)
Izod Impact Strength, Notched	ASTM D256 / ISO 180/2A		2.2 (11.56)	FT.LB/INCH (kJ/m ²)
Heat Deflection Temperature	ASTM D648 / ISO 75A		>600 (>315)	°F (°C)
Dielectric Strength, Dry	ASTM D149 / IEC243		320 (12.7)	V/mil (kV/m ²)
Arc Resistance	ASTM D495		180	sec

REVISION HISTORY

REV. NONE – Initial Release 9/09/2016 – Alexei M

REV. A – Updated spec & typical property values and data sheet template 7/15/2020 – Raju K