

Product Data Sheet

Nemcon™ E PK DP104

Nemcon™ E PK DP104 is a carbon fiber-reinforced polyetheretherketone, characterized by very high strength, stiffness, consistent moldability, and exceptional thermal resistance.

Properties*	Test Std	Unit	Typical Value
Specific Gravity	D 792		1.42
Mechanical			
Tensile Stress @ brk, 50 mm/min	D 638	MPa.	200
Tensile Strain @ brk, 50 mm/min	D 638	%	2.0
Tensile Modulus, 50 mm/min	D 638	MPa.	19540
Flexural Stress @ yld, 1.3 mm/min,	D 790	MPa.	320
Flexural Modulus, 1.3 mm/min,	D 790	MPa.	18600
Izod Impact, notched @ 23°C	D 256	ft-lb/in	1.65
Thermal			
HDT @ 264 psi, 3.2 mm, unannealed	D 648	°C	332
Electrical Properties			
Surface Resistivity	D 257	Ohms/sq.	1E03

*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance.

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