

Continuous Carbon/PPS Composite Typical Material Properties

Material Properties	
Color	Black
Density	0.058 lb/in ³
Specific Gravity (liquid)	1.603
Fiber Weight Percentage	60%
Fiber Volume Percentage	53%
Glass Transition Temperature (T_g)	194°F
Melting Temperature (T_m)	554°F

Mechanical Properties	
Axial (0°) Tensile Strength	267 ksi
Transverse (90°) Tensile Strength	7.1 ksi
Axial (0°) Tensile Modulus	16.6 Msi
Transverse (90°) Tensile Modulus	1.3 Msi
Axial (0°) Compression Strength	146 ksi
Axial (0°) Compression Modulus	15.5 Msi
IL Shear Strength (A/C Consolidation)	10.9 ksi
Axial (0°) Flexural Strength	218 ksi
Axial (0°) Flexural Modulus	14.7 Msi

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