

Continuous E-Glass/PP Composite Typical Material Properties

Material Properties	
Color	White
Density	0.054 lb/in ³
Specific Gravity (liquid)	1.500
Fiber Weight Percentage	60%
Fiber Volume Percentage	35%
Glass Transition Temperature (T_g)	-4°F (-20°C)
Melting Temperature (T_m)	332°F (167°C)
Heat Deflection Temperature (HDT)	302°F (150°C)
Max. Use Temperature	219°F (104°C)
Water Absorption (at equilibrium)	+0.1% Weight Change
Shore D Hardness (Unidirectional Laminate)	83

Mechanical Properties	
Axial (0°) Tensile Strength	146 ksi
Transverse (90°) Tensile Strength	6.0 ksi
Axial (0°) Tensile Modulus	5.7 Msi
Transverse (90°) Tensile Modulus	1.2 Msi

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