



Carlisle Carbon Composites Grade T26-HDP

General Product Information

Continuous Fiber Construction For High Strength.
Carbon / Carbon material heat treated to 2000 C.
Low Ash, Excellent Oxidation Resistance.

Typical Physical Properties

	Direction	Typical Values
Bulk Density	N/A	1.75 g/cc
Total Porosity	N/A	5%
Flexural Strength	In-Plane Perpendicular	21,000 psi 17,000 psi
Compressive Strength	In-Plane Perpendicular	16,000 psi 10,000 psi
Flexural Modulus		4.0 x 10 ⁶ psi
Young's Modulus		5.2x 10 ⁶ psi
Thermal Conductivity	In-Plane Perpendicular	60 W / m-K 30 W / m-K
Secant Value CTE (ambient to 1500 °C)	In-Plane Perpendicular	1.9 x 10 ⁻⁶ / °C 9.3 x 10 ⁻⁶ / °C
Tensile Strength	In-Plane	15,000 psi
Ash Content		21 ppm
Rockwell Hardness	(R15X Scale)	85

Available Stock Sizes

Diameters up to 24"; thickness 0.2"-4.0", and cross sections ranging from 12" x 12" up to 17" x 17".
Special sizing available upon request.