



Carlisle Carbon Composites Grade T26-HLC

General Product Information

Carbon / Carbon material heat treated to 2300 C.

Oxidation treated. Excellent oxidation resistance up to 1400 F (750 C)

Custom machining to print also available.

Typical Physical Properties

	Direction	Typical Values
Bulk Density	N/A	1.70 g/cm ³
Total Porosity	N/A	12%
Flexural Strength	In-Plane	20,000 psi
	Perpendicular	15,000 psi
Compressive Strength	In-Plane	12,000 psi
	Perpendicular	8,000 psi
Flexural Modulus	In-Plane	4.1 x 10 ⁶ psi
	Perpendicular	
Thermal Conductivity	In-Plane	50 W / m-K
	Perpendicular	16 W / m-K
Secant Value CTE (ambient to 1000 °C)	In-Plane	1.0 x 10 ⁻⁶ / °C
	Perpendicular	7.0 x 10 ⁻⁶ / °C
Electrical Resistivity	In-Plane	27.6 ohm-in x 10 ⁻⁵
	Perpendicular	
Ash Content	N/A	0.3%

Available Stock Sizes

Limited availability, please call for available stock sizes. To be replaced by Grade T26-HDP.