



## Carlisle Carbon Composites Grade T26-HL

### General Product Information

Carbon / Carbon material heat treated to 2300 C.  
Custom machining to print also available.

### Typical Physical Properties

|                                          | Direction     | Typical Values                 |
|------------------------------------------|---------------|--------------------------------|
| Bulk Density                             | N/A           | 1.65 g/cm <sup>3</sup>         |
| 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 <sup>6</sup> psi      |
|                                          | Perpendicular |                                |
| Thermal Conductivity                     | In-Plane      | 50 W / m-K                     |
|                                          | Perpendicular | 16 W / m-K                     |
| Secant Value CTE<br>(ambient to 1000 °C) | In-Plane      | 1.0 x 10 <sup>-6</sup> / °C    |
|                                          | Perpendicular | 7.0 x 10 <sup>-6</sup> / °C    |
| Electrical Resistivity                   | In-Plane      | 27.6 ohm-in x 10 <sup>-5</sup> |
|                                          | 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.