

CF-PEI Pellet Technical Data Sheet(TDS)

MECHANICAL PROPERTIES			
Property	Method	Value	
		X	Z
Tensile Strength	Modified ASTM D638	126MPa / 18.3ksi	68MPa / 9.8ksi
Tensile Modulus	Modified ASTM D638	11700MPa / 1.7Msi	3800MPa / 0.5Msi
Flexural Strength	Modified ASTM D790	194MPa / 28.2ksi	107MPa / 15.5ksi
Flexural Modulus	Modified ASTM D790	13100MPa / 1.9Msi	4100MPa / 0.6Msi

THERMAL PROPERTIES		
Property	Method	Value
Heat Deflection Temperature	ASTM D648 (Annealed), 1.82MPa,3.22mm	212° C / 414° F

OTHER PROPERTIES		
Property	Method	Value
Water Absorption	ASTM D570, 24h	0.17%
Density	ASTM D792	0.042 lb/In ³ / 1.15g/cc

Updated on March 31, 2025