

CF-PESU Pellet Technical Data Sheet(TDS)
MECHANICAL PROPERTIES

Property	Method	Value	
		X	Z
Tensile Strength	Modified ASTM D638	115MPa / 16.7ksi	50.3MPa / 7.3ksi
Tensile Modulus	Modified ASTM D638	11700MPa / 1.7Msi	3800MPa / 0.5Msi
Flexural Strength	Modified ASTM D790	194.8MPa / 28.3ksi	106.9MPa / 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	215° C / 420° F

OTHER PROPERTIES

Property	Method	Value
Water Absorption	24h	TBD
Density	ASTM D792	0.046 lb/In ³ / 1.29g/cc

Updated on May 31, 2026