

**CF-PETG Technical Data Sheet(TDS)**

MECHANICAL PROPERTIES			
Property	Method	Value	
		XY	Z
Young's Modulus	ISO 527, GB/T 1040	2460±230 MPa	1340±150 MPa
Tensile Strength	ISO 527, GB/T 1040	35±5 MPa	29±4 MPa
Breaking Elongation Rate	ISO 527, GB/T 1040	10.4±0.6 %	4.7±0.4 %
Bending Modulus	ISO 178, GB/T 9341	2910±260 MPa	1560±180 MPa
Bending Strength	ISO 178, GB/T 9341	70±5 MPa	48±4 MPa
Impact Strength	ISO 179, GB/T 1043	41.2±2.6 kJ/m <sup>2</sup>	10.7±1.6 kJ/m <sup>2</sup>
Impact Strength (Notched)	ISO 179, GB/T 1043	15.7±1.6 kJ/m <sup>2</sup>	N/A

THERMAL PROPERTIES		
Property	Method	Value
Melt Index	250° C, 2.16kg	19.3±2.4 g/10min
Melting Temperature	DSC, 10° C/min	225° C
Glass Transition Temperature	DSC, 10° C/min	68° C
Vicat Softening Temperature	ISO 306, GB/T 1633	85° C
Heat Deflection Temperature	ISO 75, 1.8MPa	68° C
	ISO 75, 0.45MPa	74° C

## OTHER PROPERTIES

Property	Method	Value
Density	ISO 1183	1.25g/cm <sup>3</sup>
Saturated Water Absorption Rate	25° C, 55% RH	0.30%

Updated on February 28, 2025