

CF-ASA Technical Data Sheet(TDS)

MECHANICAL PROPERTIES			
Property	Method	Value	
		XY	Z
Young's Modulus	ISO 527, GB/T 1040	4200±270 MPa	2290±260 MPa
Tensile Strength	ISO 527, GB/T 1040	34±3 MPa	30±4 MPa
Breaking Elongation Rate	ISO 527, GB/T 1040	9.6±1.4 %	4.4±0.8 %
Bending Modulus	ISO 178, GB/T 9341	3740±130 MPa	1350±120 MPa
Bending Strength	ISO 178, GB/T 9341	72±5 MPa	33±3 MPa
Impact Strength	ISO 179, GB/T 1043	14.0±2.2 kJ/m ²	9.4±0.6 kJ/m ²
Impact Strength (Notched)	ISO 179, GB/T 1043	6.2±1.4 kJ/m ²	N/A

THERMAL PROPERTIES		
Property	Method	Value
Melt Index	210° C, 2.16kg	1.74±0.3 g/10min
Melting Temperature	DSC, 10° C/min	210° C
Glass Transition Temperature	DSC, 10° C/min	N/A
Vicat Softening Temperature	ISO 306, GB/T 1633	108° C
Heat Deflection Temperature	ISO 75, 1.8MPa	102° C
	ISO 75, 0.45MPa	110° C
Glass Transition Temperature	DSC	105° C

OTHER PROPERTIES

Property	Method	Value
Density	ISO 1183	1.02g/cm ³
Saturated Water Absorption Rate	25° C, 55% RH	0.33%

Updated on February 28, 2025