

GF-PA12 Technical Data Sheet(TDS)

Property	Testing Method	Typical Value
Density	ISO1183, GB/T1033	1.16 g/cm ³ at 21°C
Melt Index	235°C, 2.16Kg	3.6 g/10 min
Flame Retardancy	UL 94	V2
Property	Testing Method	Typical Value
Glass Transition	DSC, 10°C/min	70.4°C
Heat Deflection Temperature	ISO 75 1.8 MPA	157°C
Property	Testing Method	Typical Value
Tensile Strength (X-Y)	ISO 527, GB/T 1040	51 MPa
Tensile Strength (Z)		18 MPa
Elongation at break (X-Y)	ISO 527, GB/T 1040	9 %
Elongation at break (Z)		2.8%
Bending modulus (X-Y)	ISO 178, GB/T 9341	2720 MPa
Bending modulus (Z)		1224 MPa
Bending Strength (X-Y)	ISO 178, GB/T 9341	72 MPa
Bending Strength (Z)		19 MPa
Charpy impact strength (X-Y)	ISO 178, GB/T 9341	43 kJ/m ²
Charpy impact strength (Z)		5 kJ/m ²

Updated on May 11, 2026