

GF-ASA Pellets Technical Data Sheet(TDS)
PHYSICAL PROPERTIES

Property	Testing Method	Typical Value
Density	ISO1183, GB/T1033	1.2 g/cm ³ at 21 °C
Melt Index	220°C, 10 Kg	6-10g/10min

Thermal Properties

Property	Testing Method	Typical Value
Glass transition	DSC, 10°C/min	98 °C
Vicat Softening temperature	ISO 306 GB/T 1633	105 °C
Heat Deflection Temperature	ISO 75 1.8MPa	97°C

Mechanical

Property	Testing Method	Typical Value
Young's modulus (X-Y)	ISO 527, GB/T 1040	7237±136 MPa
Tensile strength (X-Y)	ISO 527, GB/T 1040	101±2.4 MPa
Elongation at break (X-Y)	ISO 527, GB/T 1040	2.6±0.3 %
Bending modulus	ISO 178	7094±89 MPa
Bending strength	ISO 178	149.6±2.1 MPa
Charpy impact strength (X-Y)	ISO 179, GB/T 9343	8.5±0.5 KJ/m ²

Updated on December, 2022