

TECHNICAL DATASHEET



Polyamide 6

SN0611BTH30

Physical	Test Conditions	Typical Value Unit	Test Method
Glass Fiber Content	—	30 %	ISO3451-1
Melting Temperature	—	220 °C	ISO11357
Melt Index	250°C, 2.16kg	16.5 g/10min	ISO1133
Density	23°C	1.37 g/cm ³	ISO1183

Mechanical	Test Conditions	Typical Value Unit	Test Method
Flexural Strength	23°C, 2mm/min	250 MPa	ISO178
Flexural Modulus	23°C, 2mm/min	8800 MPa	ISO178
Tensile Strength	I-spline, 50mm/min	178 Mpa	ISO527
Elongation at Break	I-spline, 50mm/min	4 %	ISO527
Charpy Notched Impact Strength	23°C	15 kJ/m ²	ISO179/1eA
Charpy Unnotched Impact Strength	23°C	85 kJ/m ²	ISO179/1eU

Thermal	Test Conditions	Typical Value Unit	Test Method
Temperature of Deflection Under Load	0.45MPa	215 °C	ISO75-2
	1.8Mpa	205 °C	ISO75-2

Electrical	Test Conditions	Typical Value Unit	Test Method
Volume Resistivity	-	10 ¹⁵ Ω.cm	IEC60093
Surface Resistivity	-	10 ¹³ Ω	IEC60093

Flammability	Test Conditions	Typical Value Unit	Test Method
Flammability	-	HB -	UL-94

Product Packaging

25kgs Bag