

TECHNICAL DATASHEET



Polyamide 6

SN2702BTH

Others	Test Conditions	Typical Value Unit	Test Method
Density	23°C	1.13±0.02 g/cm ³	ISO 1183
Melt Flow Rate	250°C, 2.16kg	30 g/10min	ISO 1133
Relative Viscosity	96%H ₂ SO ₄ , 1g/dl	2.83±0.03 ml/g	ISO 307
Viscosity number	96%H ₂ SO ₄ , 0.5g/dl	157±5 ml/g	ISO 307
Extractables	—	≤0.5 %	ISO 6427
Impurities、 Different color particles	Visual inspection	≤1 grain/g	—

Mechanical	Test Conditions	Typical Value Unit	Test Method
Flexural Strength	23°C, 2mm/min	100 MPa	ISO178
Flexural Modulus	23°C, 2mm/min	2400 MPa	ISO178
Tensile Strength	I-spline, 50mm/min	75 Mpa	ISO527
Tensile Modulus	I-spline, 1mm/min	2500 Mpa	ISO527
Tensile Strain at Break	I-spline, 50mm/min	120 %	ISO527
Charpy Notched Impact Strength	23°C	7.5/C kJ/m ²	ISO179/1eA
Charpy Unnotched Impact Strength	23°C	60/N kJ/m ²	ISO179/1eU
Rockwell Hardness	R Scale	70 —	ISO2039-2

Thermal	Test Conditions	Typical Value Unit	Test Method
Melting Temperature	—	220±5 °C	ISO11357
Heat Distortion Temperature	0.45MPa	105 °C	ISO75-2
	1.8Mpa	— °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	3.2mm	V-2 Class	UL-94

Product Packaging

25kgs Bag/FIBC