

Polyamide 6

SN0250BTH

Others	Test Conditions	Typical Value Unit	Test Method
Density	23°C	1.13 g/cm ³	ISO 1183
Molding shrinkage(parallel/normal)	—	0.8/1.2 %	ISO294-4
Melt Flow Rate	230°C,2.16kg	32 g/10min	ISO 1133
Relative Viscosity	—	2.45 —	—
Viscosity number	96%H ₂ SO ₄ ,0.5g/dl	135 ml/g	ISO 307
Impurities、 Different color particles	—	No grain/g	Visual inspection

Mechanical	Test Conditions	Typical Value Unit	Test Method
Flexural Strength	23°C , 2mm/min	110 MPa	ISO178
Flexural Modulus	23°C , 2mm/min	2500 MPa	ISO178
Tensile Strength	I-spline, 50mm/min	70 Mpa	ISO527
Tensile Modulus	I-spline, 1mm/min	2400 Mpa	ISO527
Tensile Strain at Break	I-spline, 50mm/min	80 %	ISO527
Charpy Notched Impact Strength	23°C	7 kJ/m ²	ISO179/1eA
Charpy Unnotched Impact Strength	23°C	NB kJ/m ²	ISO179/1eU

Thermal	Test Conditions	Typical Value Unit	Test Method
Melting Temperature	—	220 °C	ISO11357
Heat Distortion Temperature	0.45MPa	120 °C	ISO75-2
	1.8Mpa	50 °C	ISO75-2

Electrical	Test Conditions	Typical Value Unit	Test Method
CTI	A	600 V	IEC60112
Volume Resistivity	—	10 ¹³ Ω.cm	IEC60093
Surface Resistivity	—	10 ¹² Ω	IEC60093

Flammability	Test Conditions	Typical Value Unit	Test Method
Flammability	1.6mm	V-2 Class	UL-94

Product Packaging

25kgs Bag