

# TECHNICAL DATASHEET



## Polyamide 66

SN0270ACJ

### General

Material Status	Commercial:	Active
Reinforcement	● None	
Features	● Nature Color	
Uses	● Produce plastic articles by injection moulding      ● Used as modified base material ● Used in the spinning industry	
Viscosity	● Medium viscosity (2.7±0.01)	
Flame Retardance	● V-2	
Appearance	● Nature Color	
Forms	● Pellets	

Physical	Test Conditions	Typical Value Unit	Test Method
Density	Dry State	1.14 g/cm <sup>3</sup>	GB/T1033
Water Absorption	50% humidity	2.9 ‰	HG 2349
Melt Flow Rate	—	10.8 g/10min	ISO 1133

Mechanical	Test Conditions	Typical Value Unit	Test Method
Tensile Strength	Dry State	80.2 Mpa	ISO 527
Elongation at Break	Dry State	35.2 %	ISO 527
Flexural Strength	Dry State	71.8 Mpa	ISO 178
Flexural Modules	Dry State	1.8 Gpa	ISO 178
Charpy Notch Impact	Dry State	9.1 kJ/m <sup>2</sup>	ISO 179
Charpy Un-notch Impact	Dry State	NB kJ/m <sup>2</sup>	ISO 179

Thermal	Test Conditions	Typical Value Unit	Test Method
Melting range	Dry State	252~260 °C	ISO 3146
Heat deflection temperature	1.8Mpa	76.3 °C	ISO 75

Other	Test Conditions	Typical Value Unit	Test Method
Volume Resistivity	Dry State	1.3*10 <sup>14</sup> Ω.cm	GB/T1410
Black Particle	—	≤0.017 Piece/Kg	QB

Flammability	Test Conditions	Typical Value Unit	Test Method
Flammability	—	V2 —	UL94

### Product Packaging

25kgs Bag/FIBC