

POM

SN0090MNX

General

Material Status	Commercial:	Active
Reinforcement	● None	
Supply area	● Asian-Pacific region	
Features	● Tensile strength	● Thermal strength
	● Dimensional stability	● Good gloss
	● Textile machinery	● Electronics
	● Chemical industry	● Construction field
	● Bending strength	● Fatigue strength
	● Wear resistance	● Good electrical performance
	● Electrical	● Automobile
	● Light industry	
UL Compliance		
Appearance	● Nature Color	
Forms	● Pellets	
Processing Method	● Squeeze	● Injection molding

Physical	Typical Value Unit	Test Method
Density/Specific Gravity	1.41 g/cm ³	ISO1183
Melt flow rate	8~10 g/10min	ISO1133
Shrinkage Flow	1.8~22 %	—
Water absorption	0.22 %	ISO62

Mechanical	Typical Value Unit	Test Method
Tensile Strength	62 Mpa	ISO527
Elongation	45 %	ISO527
Flexural Modules	2700 Mpa	ISO178
Flexural Strength	85 Mpa	ISO178
Charpy Notched Impact Strength	6.5 KJ/m ²	ISO179/1eA

Thermal	Typical Value Unit	Test Method
Melt Temperature	180~190 °C	—
Heat deflection temperature	85 °C	ISO75-2/A

Ignitability	Typical Value Unit	Test Method
UL Flame Retardant Grade	HB	UL94

Injection	Typical Value Unit	Test Method
Drying Temperature	80~90 °C	—
Drying Time	3~4 hr	—
Temperature in the middle of barrel	160~180 °C	—
Temperature at the rear of barrel	170~200 °C	—
Temperature at the front of barrel	190~210 °C	—
Nozzle temperature	180~210 °C	—
Process (melt) temperature	180~210 °C	—
Mold Temperature	60~90 °C	—
Injection Pressure	50~100 MPa	—
Pressure Maintaining	30~80 MPa	—
Back Pressure	0~0.5 MPa	—
Screw Speed	50~120 rpm	—

Product Packaging

25kgs Bag