

# TECHNICAL DATASHEET



## HIPS

### SN088HPQM

Properties	Test Condition	Typical Value Unit	Test Method
Melt Flow Index	200 °C ×5KG	5.5 ml/10 min	ISO 1133
Mass Density	23 °C	1.03 g/cm <sup>3</sup>	ISO 1183
Tensile Strength	50 mm/min, yield	26 MPa	ISO 527
	50 mm/min, break	24 MPa	
Tensile Elongation	50 mm/min	40 %	ISO 527
Flexural Strength	2 mm/min	37 MPa	ISO 178
Flexural Modulus	2 mm/min	2.1 GPa	ISO 178
Izod Impact Strength	23 °C, Notched	11 kJ/m <sup>2</sup>	ISO 180/1A
	-30 °C, Notched	6 kJ/m <sup>2</sup>	
Charpy Impact Strength	23 °C Notched	11 kJ/m <sup>2</sup>	ISO 179
	-30 °C, Notched	6.5 kJ/m <sup>2</sup>	
Vicat Softening Temp.	1 Kg, 50 °C/hr	96 °C	ISO 306
	5 Kg, 50 °C/hr	90 °C	
Heat Distortion Temp.	1.8 MPa Unannealed	74 °C	ISO 75/A
	1.8 MPa Annealed	89 °C	
Coefficient of Linear Thermal Expansion	—	4~6x10 <sup>-5</sup> —	ISO 11359
Flammability	UL-94	1.5mm HB —	—
Mold Shrinkage	—	0.4~0.7 %	ISO 294-4

### Product Packaging

25kgs Bag/FIBC