

Idemitsu PS SEHI-103

High Impact Polystyrene

Idemitsu PS

Message:

Idemitsu PS SEHI-103 is a high impact polystyrene product. It can be processed by extrusion or injection molding and is available in the Asia-Pacific region.

Features include:

- flame retardant/rated flame
- Flame Retardant
- Impact resistance

General Information	
Features	Impact resistance, high Flame retardancy
UL File Number	E63304
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	18.6	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	73.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94

Additional Information		
Notched Izod Impact, ASTM D256: 4.8 kg-cm/cm		
Injection	Nominal Value	Unit
Drying Temperature	70.0	°C
Drying Time	1.0 - 2.0	hr
Rear Temperature	180 - 210	°C
Middle Temperature	190 - 220	°C
Front Temperature	210 - 240	°C
Nozzle Temperature	200 - 230	°C
Mold Temperature	40.0 - 60.0	°C
Extrusion	Nominal Value	Unit

Drying Temperature	70.0	°C
Drying Time	1.0 - 2.0	hr
Cylinder Zone 1 Temp.	160 - 200	°C
Cylinder Zone 2 Temp.	180 - 220	°C
Cylinder Zone 3 Temp.	200 - 240	°C
Cylinder Zone 4 Temp.	200 - 240	°C
Die Temperature	190 - 220	°C

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