

Idemitsu PS HT50

General Purpose Polystyrene

Idemitsu PS

Message:

Idemitsu PS HT50 is a General Purpose Polystyrene product. It can be processed by extrusion or injection molding and is available in Asia Pacific.

Characteristics include:

Flame Rated

High Flow

General Information			
Features	High Flow		
Processing Method	Extrusion Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	34.0	MPa	ISO 527-2
Tensile Strain (Break)	28	%	ISO 527-2
Flexural Modulus	2390	MPa	ISO 178
Flexural Stress	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	13	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	Test Method
Drying Temperature	70.0	°C	
Drying Time	1.0 to 2.0	hr	
Rear Temperature	180 to 210	°C	
Middle Temperature	190 to 220	°C	
Front Temperature	210 to 240	°C	
Nozzle Temperature	200 to 230	°C	
Mold Temperature	40.0 to 60.0	°C	
Extrusion	Nominal Value	Unit	Test Method
Drying Temperature	70.0	°C	
Drying Time	1.0 to 2.0	hr	
Cylinder Zone 1 Temp.	160 to 200	°C	
Cylinder Zone 2 Temp.	180 to 220	°C	

Cylinder Zone 3 Temp.	200 to 240	°C
Cylinder Zone 4 Temp.	200 to 240	°C
Die Temperature	190 to 220	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

