

# Idemitsu PS SEHI-112

High Impact Polystyrene

Idemitsu PS

Message:

Idemitsu PS SEHI-112 is a high impact polystyrene product. It can be processed by extrusion or injection molding and is available in the Asia-Pacific region. Typical application areas are: housing.

- Features include:
- flame retardant/rated flame
  - Flame Retardant
  - Impact resistance
  - heat stabilizer

General Information	
Additive	heat stabilizer
Features	Impact resistance, high
	Thermal Stability
	Flame retardancy
Uses	Shell
UL File Number	E48268
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94

Additional Information		
Notched Izod Impact, ASTM D256: 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

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

