

Idemitsu PS NS-251

High Impact Polystyrene

Idemitsu PS

Message:

Idemitsu PS NS-251 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
high strength
beautiful

General Information	
Additive	Flame retardancy
Features	High strength
	Excellent appearance
	Flame retardancy
Uses	Shell
UL File Number	E63304
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	28.4	MPa	ASTM D638
Tensile Elongation (Break)	45	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	98	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (2.50 mm)	V-0		UL 94

Additional Information		
Heat Distortion Temperature, ASTM D648: 77°CBall Pressure Temperature: 80°C		
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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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

