

Idemitsu PS NS-300

High Impact Polystyrene

Idemitsu PS

Message:

Idemitsu PS NS-300 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
Good UV resistance

General Information	
Additive	Flame retardancy
Features	Good UV resistance
	Flame retardancy
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)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	22.6	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		UL 94
	V-0		
2.00 mm	5V		UL 94

Additional Information		
Heat Distortion Temperature, ASTM D648: 78°CBall Pressure Temperature: 85°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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