

Technical Data Sheet

Icorene N6402-1200 NAT 0000



Polystyrene, General Purpose

Product Description

Icorene N6402 is a general purpose polystyrene grade with high heat resistance and good flow properties.

Attribute Good Flow; High Heat Resistance

Forms Powder

Application Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	3.8	g/10 min	ISO 1133
Density	1.04	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (50 mm/min)	3.0	%	ISO 527-2
Tensile Stress at Break, (50 mm/min)	55.0	MPa	ISO 527-2
Flexural Stress, (2.0 mm/min)	100	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	15	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (B (50N))	91.0	°C	ISO 306