

Technical Data Sheet

Icorene N6404-500 NAT 0000

Polystyrene, General Purpose

Product Description

Icorene N6404 is a general purpose polystyrene grade, with high flow. This grade is suitable for masterbatch applications.

Attribute	Crystal; High Flow; High Gloss; High Heat Resistance
Forms	Powder
Application	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	21	g/10 min	ISO 1133
Density	1.05	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (50 mm/min)	2.0	%	ISO 527-2
Tensile Stress at Break, (50 mm/min)	40.0	MPa	ISO 527-2
Flexural Stress, (2.0 mm/min)	70.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Unnotched, (23 °C)	8.0	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (B (50N))	84.0	°C	ISO 306