

Technical Data Sheet

Icorene N6504-2000 NAT 0000



Polystyrene, High Impact

Product Description

Icorene N6504 is a high impact prime polystyrene grade with a good balance of toughness, high flow, heat resistance and gloss. This grade is suitable for use as a base for masterbatch or compound production.

Processing Method	Compounding
Attribute	Good Toughness; 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)	14	g/10 min	ISO 1133
Density	1.04	g/cm ³	ISO 1183
Mechanical			
Tensile Stress at Yield, (50 mm/min)	27.0	MPa	ISO 527-2
Tensile Strain at Break, (50 mm/min)	25	%	ISO 527-2
Flexural Stress, (2.0 mm/min)	41.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	16	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	91.0	°C	ISO 306