

Technical Data Sheet

Icorene N6502-1200 NAT0000XX



Polystyrene, High Impact

Product Description

Icorene N6502 is a high impact polystyrene grade with very good flow properties. This grade has a high rigidity whilst displaying a very good surface gloss.

Attribute High Flow; High Gloss; High Impact Resistance; High Rigidity

Forms Powder

Application Caps; Containers

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	21	g/10 min	ISO 1133
Density	1.04	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break, (50 mm/min)	35	%	ISO 527-2
Tensile Stress at Break, (50 mm/min)	30.0	MPa	ISO 527-2
Flexural Stress, (2.0 mm/min)	46.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (B (50N), 50 °C/h)	81.0	°C	ISO 306