

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

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (200 °C/5.0 kg)	21	g/10 min	ISO 1133
Density	1.04	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	5.0	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat Softening Temperature, (B (50N), 50 °C/h)	81.0	°C	ISO 306