

## Technical Data Sheet

### *Icorene* N6504-2000 NAT



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.

<b>Processing Method</b>	Compounding
<b>Attribute</b>	Good Toughness; High Flow; High Gloss; High Heat Resistance
<b>Forms</b>	Powder
<b>Application</b>	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (200 °C/5.0 kg)	14	g/10 min	ISO 1133
Density	1.04	g/cm <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	16	kJ/m <sup>2</sup>	ISO 179
<b>Thermal</b>			
Vicat Softening Temperature, (B (50N), 50 °C/h)	91.0	°C	ISO 306