

Technical Data Sheet

ICORENE N6504

High Impact Polystyrene
LyondellBasell Industries
Custom Powders

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.

General

Features	<ul style="list-style-type: none"> • Good Toughness • High Flow 	<ul style="list-style-type: none"> • High Gloss • High Heat Resistance
Uses	<ul style="list-style-type: none"> • Compounding 	<ul style="list-style-type: none"> • Masterbatch
Agency Ratings	<ul style="list-style-type: none"> • EU Food Contact 	<ul style="list-style-type: none"> • FDA Food Contact
Forms	<ul style="list-style-type: none"> • Powder 	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.04 g/cm ³	1.04 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	14 g/10 min	14 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	3920 psi	27.0 MPa	ISO 527-2/50
Tensile Strain (Break)	25 %	25 %	ISO 527-2/50
Flexural Stress ¹	5950 psi	41.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	7.6 ft·lb/in ²	16 kJ/m ²	ISO 179/1eA
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature ²	196 °F	91.0 °C	ISO 306/B50

Notes

¹ 0.079 in/min (2.0 mm/min)

² Oil

Notes

These are typical property values not to be construed as specification limits.