

Technical Data Sheet

**Icorene N6404**

General Purpose Polystyrene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N6404 is a general purpose polystyrene grade, with high flow.

This grade is suitable for masterbatch applications.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Crystal • High Gloss • High Flow • High Heat Resistance
Uses	• Masterbatch
Forms	• Powder

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.05 g/cm ³	1.05 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	21 g/10 min	21 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	5800 psi	40.0 MPa	ISO 527-2/50
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2/50
Flexural Stress ¹	10200 psi	70.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Unnotched Impact Strength 73°F (23°C)	3.8 ft·lb/in ²	8.0 kJ/m ²	ISO 179/1eA
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	183 °F	84.0 °C	ISO 306/B

Notes

¹ 0.079 in/min (2.0 mm/min)

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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