

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

Features	• Crystal • High Flow	• High Gloss • High Heat Resistance
Uses	• Masterbatch	
Agency Ratings	• EU Food Contact	• FDA Food Contact
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 Notched Impact Strength (73°F (23°C))	4.8 ft·lb/in ²	10 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.