

Technical Data Sheet

Icorene N6401

General Purpose Polystyrene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N6401 is a general purpose polystyrene grade with high heat resistance and satisfactory flow properties.

This grade is suitable for masterbatch applications.

General

Features	• Good Flow	• High Heat Resistance
Uses	• Masterbatch	
Agency Ratings	• EU Food Contact	
Forms	• 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)	2.9 g/10 min	2.9 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	7980 psi	55.0 MPa	ISO 527-2/50
Tensile Strain (Break)	3.0 %	3.0 %	ISO 527-2/50
Flexural Stress ¹	14500 psi	100 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Unnotched Impact Strength 73°F (23°C)	6.7 ft·lb/in ²	14 kJ/m ²	ISO 179/1eU
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature ²	214 °F	101 °C	ISO 306/B

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.