

## Technical Data Sheet

# Icorene N6501

High Impact Polystyrene  
LyondellBasell Industries  
Custom Powders

### Product Description

ICORENE® N6501 is a high impact polystyrene grade with good flow properties.

This grade is suitable for masterbatch applications.

### General

Features	• Good Flow	• High Impact Resistance
Uses	• Masterbatch	
Agency Ratings	• EU Food Contact	• FDA Food Contact
Forms	• Powder	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.04 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg)	11 g/10 min	11 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	3340 psi	23.0 MPa	ISO 527-2/50
Tensile Strain (Break)	50 %	50 %	ISO 527-2/50
Flexural Stress <sup>1</sup>	5800 psi	40.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	3.8 ft·lb/in <sup>2</sup>	8.0 kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature <sup>2</sup>	185 °F	85.0 °C	ISO 306/B50

### Notes

<sup>1</sup> 0.079 in/min (2.0 mm/min)

<sup>2</sup> Oil

### Notes

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