

Technical Data Sheet

Icorene N6502

High Impact Polystyrene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N6502 is a high impact polystyrene grade with very good flow properties.

This grade has a high rigidity whilst displaying a very good surface gloss.

General

Features	<ul style="list-style-type: none"> • High Flow • High Gloss 	<ul style="list-style-type: none"> • High Impact Resistance • High Rigidity
Uses	<ul style="list-style-type: none"> • Caps 	<ul style="list-style-type: none"> • Containers
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)	21 g/10 min	21 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	4350 psi	30.0 MPa	ISO 527-2/50
Tensile Strain (Break)	35 %	35 %	ISO 527-2/50
Flexural Stress ¹	6670 psi	46.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	2.4 ft·lb/in ²	5.0 kJ/m ²	ISO 179/1eA
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature ²	178 °F	81.0 °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.