

Technical Data Sheet

**Icorene N2004**

Ethylene-based Plastomer
LyondellBasell Industries
Custom Powders

Product Description

ICORENE N2004 is an ethylene based octene plastomer produced using a metallocene catalyst.

This grade is designed for applications requiring excellent flow, high flexibility, outstanding toughness and excellent low temperature impact.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Good Flexibility • Good Toughness	• High Flow • Low Temperature Impact Resistance	• Octene Comonomer
Uses	• Carpet Backing	• Color Concentrates	• Masterbatch
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.902 g/cm ³	0.902 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30 g/10 min	30 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	1890 psi	13.0 MPa	ASTM D638
Tensile Elongation (Break)	1300 %	1300 %	ASTM D638
Flexural Modulus	9720 psi	67.0 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	34	34	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	162 °F	72.0 °C	ASTM D1525
Peak Melting Temperature	207 °F	97.0 °C	ASTM D3418

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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