

Technical Data Sheet

**Icorene N3002**

Polybutylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N3002 is a polybutene -1 homopolymer powder specifically designed for use as a layer adhesive. The powder is free flowing and easy to distribute using a scatter coating machine.

This grade can be used in various applications as a hot melt adhesive. For example carpet backing or non woven layer lamination. It features very good adhesion to PP and PE polymer substrates and very low viscosity to give good flow around the fibres enabling superior mechanical adhesion.

General

Material Status	• Commercial: Active
Availability	• Europe
Additive	• Heat Stabilizer
Features	• Food Contact Acceptable • High Flow
Uses	• Adhesives
Forms	• Powder
Processing Method	• Scatter Coating

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.915 g/cm ³	0.915 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	200 g/10 min	200 g/10 min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	4350 psi	30.0 MPa	ISO 8986-2
Tensile Strain (Break)	300 %	300 %	ISO 8986-2
Flexural Modulus	59500 psi	410 MPa	ISO 178
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature ¹	235 to 259 °F	113 to 126 °C	ISO 11357-3

Notes

¹ Tm 1 = 126 Tm 2 = 113

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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