

Technical Data Sheet

**Icorene N2106**

Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2106 is an easy flowing low density polyethylene grade with medium stiffness and good toughness.

This grade is suitable for use in masterbatch applications.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Good Flow	• Good Stiffness	• Good Toughness
Uses	• Masterbatch		
Forms	• Powder		
Processing Method	• Compounding Extrusion	• Scatter Coating	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.924 g/cm ³	0.924 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22 g/10 min	22 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	29000 psi	200 MPa	ASTM D638
Tensile Elongation (Break)	120 %	120 %	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	44	44	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	192 °F	89.0 °C	ASTM D1525
Peak Melting Temperature	226 °F	108 °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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