

Technical Data Sheet

**Icorene N2140**

Low Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2140 is a low density polyethylene resin with an excellent fluidity.

This grade is used for compound and masterbatch applications.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Good Flow
Uses	• Compounding • Masterbatch
Forms	• Powder

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.919 g/cm ³	0.919 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	40 g/10 min	40 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	1600 psi	11.0 MPa	ASTM D638
Flexural Modulus	17400 psi	120 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	46	46	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	176 °F	80.0 °C	ASTM D1525
Peak Melting Temperature	223 °F	106 °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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