

Technical Data Sheet

**Icorene N2803**

High Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2803 is a premium HDPE powder characterized by an excellent dimensional stability, impact strength and a high stiffness.

This grade is recommended for use in masterbatch.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Food Contact Acceptable • High Impact Resistance • Good Dimensional Stability • High Stiffness
Uses	• Masterbatch
Forms	• Powder

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.964 g/cm ³	0.964 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3770 psi	26.0 MPa	ASTM D638
Tensile Elongation (Break)	> 100 %	> 100 %	ASTM D638
Flexural Modulus	160000 psi	1100 MPa	ASTM D790
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Peak Melting Temperature	273 °F	134 °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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