

ICORENE® N2803

High Density Polyethylene
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
Agency Ratings	• EU Food Contact, Unspecified Rating • FDA Food Contact, Unspecified Rating
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.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2019

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.