

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

Features	Food Contact Acceptable • Good Dimensional Stability	High Impact Resistance • High Stiffness
Uses	• Masterbatch	
Agency Ratings	• EU Food Contact	• FDA Food Contact
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.