

Technical Data Sheet**Icorene N2805**

High Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2805 is a premium HDPE powder with a good balance between the processability and mechanical properties.

This grade has high gloss and high dimensional stability and is suitable for use in masterbatch or carpetbacking applications.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Food Contact Acceptable • Good Dimensional Stability	• Good Processability • High Gloss	
Uses	• Automotive Interior Trim	• Carpet Backing	• Masterbatch
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.954 g/cm ³	0.954 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3340 psi	23.0 MPa	ASTM D638
Tensile Elongation (Break)	> 100 %	> 100 %	ASTM D638
Flexural Modulus	123000 psi	850 MPa	ASTM D790
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	65	65	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	261 °F	127 °C	ASTM D1525
Peak Melting Temperature	271 °F	133 °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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