

Technical Data Sheet

**Icorene N2807**

High Density Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N2807 is a premium high density polyethylene UV stabilized powder with high stiffness and high impact strength.

This grade is mainly used in carpetbacking or masterbatch applications.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Good Processability • High Impact Resistance	• High Stiffness • UV Resistant	
Uses	• Automotive Interior Trim	• Carpet Backing	• Masterbatch
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.950 g/cm ³	0.950 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3630 psi	25.0 MPa	ISO 527
Tensile Elongation (Break)	> 1000 %	> 1000 %	ISO 527
Flexural Modulus	131000 psi	900 MPa	ISO 178
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	64	64	ISO 868
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	250 °F	121 °C	ISO 306 ¹

Notes

¹ Loading 1 (10 N)

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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