

ICORENE® N2807

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.950 g/cm³	0.950 g/cm³	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.

Company Information

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

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