

Technical Data Sheet**Icorene N7131**

Polyethylene
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N7131 is a polyethylene based coating powder designed for encapsulating wire goods. Compared with standard powders, this grade will have improved flow behaviour, process faster and enable users to make savings through thinner coatings achieved at lower oven temperatures.

This grade is used for fluidized bed coating applications by manual dip coating.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Abrasion Resistant	• Good Flow	• Good Processing Stability
Uses	• Coating Applications • Decorative Railing	• Industrial Applications • Piping	• Wire & Cable Applications
Appearance	• Unspecified Color		
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.924 g/cm ³	0.924 g/cm ³	ASTM D1505
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	1160 psi	8.00 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	> 500 %	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	49	49	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-94.0 °F	-70.0 °C	ASTM D746
Peak Melting Temperature	244 °F	118 °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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