

Technical Data Sheet

Icorene N7131 WHI 1012



Polyethylene, Unspecified

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.

Regulatory Status

For regulatory compliance information, see *Icorene* N7131 WHI 1012 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Attribute	Good Abrasion Resistance; Good Flow; Good Processability
Forms	Powder
Appearance	Unspecified Color
Application	Coating Applications; Industrial Applications; Wire & Cable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density	0.924	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	8	MPa	ASTM D638
Tensile Elongation at Break	>500	%	ASTM D638
Impact			
Ductile/Brittle Transition Temperature	-70	°C	ASTM D746
Hardness			
Durometer Hardness, (Shore D)	49		ASTM D2240
Thermal			
Peak Melting Temperature	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.

Company Information

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

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