

Technical Data Sheet

**Icorene N1018**

Ethylene Vinyl Acetate Copolymer
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N1018 is a premium copolymer of ethylene vinyl acetate specifically with a high MFI. It is designed for the preparation of masterbatch. The powder form can achieve better colour developments or additive dispersion in a masterbatch than the pellet form.

The vinyl acetate content is about 28%.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Heat Stabilizer		
Features	• Copolymer • Dispersible	• Food Contact Acceptable • Good Colorability	• Heat Stabilized • High Flow
Uses	• Masterbatch		
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.949 g/cm ³	0.949 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	400 g/10 min	400 g/10 min	ISO 1133
Vinyl Acetate Content	28.0 wt%	28.0 wt%	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Break)	435 psi	3.00 MPa	ISO 527-2
Tensile Strain (Break)	500 %	500 %	ISO 527-2
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A)	71	71	ISO 868
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Peak Melting Temperature	151 °F	66.0 °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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