

Technical Data Sheet

Icorene N1016

Ethylene Vinyl Acetate Copolymer
LyondellBasell Industries
Custom Powders

Product Description

ICORENE® N1016 is a premium copolymer of ethylene vinyl acetate specifically designed for the preparation of masterbatch and textile bonding. 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%.

This grade can be used in various applications such as hot melt adhesives with a maximum processing temperature of 200°C.

General

Additive	• Heat Stabilizer		
Features	• Copolymer • Dispersible	• Food Contact Acceptable • Good Colorability	• Heat Stabilized
Uses	• Adhesives	• Masterbatch	
Agency Ratings	• EU Food Contact	• FDA Food Contact	
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.948 g/cm³	0.948 g/cm³	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	150 g/10 min	150 g/10 min	ASTM D1238
Vinyl Acetate Content	28.0 wt%	28.0 wt%	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	2180 psi	15.0 MPa	ASTM D638
Tensile Elongation (Break)	> 100 %	> 100 %	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	72	72	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Continuous Use Temperature	< 392 °F	< 200 °C	
Peak Melting Temperature	151 °F	66.0 °C	ASTM D3418

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Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	< 392 °F	< 200 °C

Notes

These are typical property values not to be construed as specification limits.