Technical Data Sheet

ICORENE® N1009

Ethylene Vinyl Acetate Copolymer
Custom Powders

Product Description

ICORENE® N1009 is a premium copolymer of ethylene vinyl acetate specifically 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 20%.
This grade can also be used in various applications such as textile coating 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, Unspecified Rating	• FDA Food Contact, Unspecified Rating	
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.940 g/cm³	0.940 g/cm³	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Vinyl Acetate Content	20.0 wt%	20.0 wt%	Internal Method
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	3770 psi	26.0 MPa	ASTM D638
Tensile Elongation (Break)	> 100 %	> 100 %	ASTM D638
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Durometer Hardness (Shore A)	85	85	ASTM D2240
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Vicat Softening Temperature	118 °F	48.0 °C	ASTM D1525
Peak Melting Temperature	174 °F	79.0 °C	ASTM D3418

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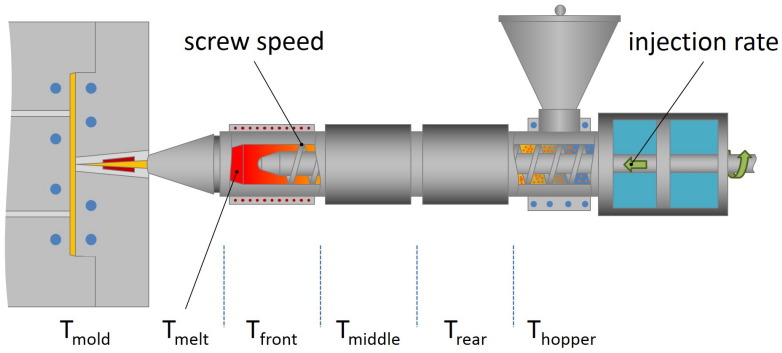

Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	< 392 °F	< 200 °C

Notes

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