

Technical Data Sheet

# Icorene N1009

Ethylene Vinyl Acetate Copolymer  
 LyondellBasell Industries  
 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

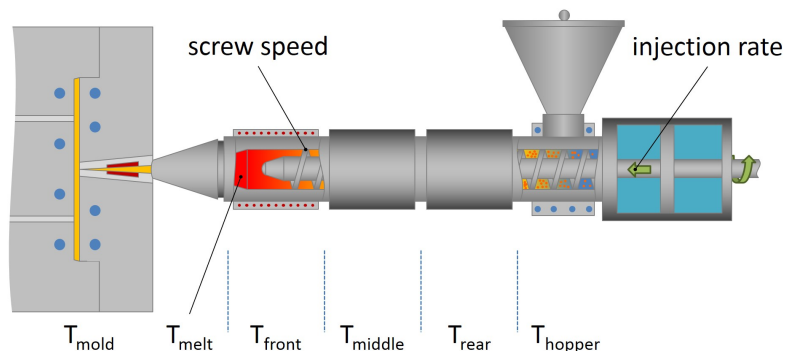
Additive	• Heat Stabilizer		
Features	• Copolymer • Dispersible	• Food Contact Acceptable • Good Colorability	• Heat Stabilized
Uses	• Adhesives • Masterbatch		
Agency Ratings	• EU Food Contact • FDA Food Contact		
Forms	• Powder		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.940 g/cm <sup>3</sup>	0.940 g/cm <sup>3</sup>	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

Technical Data Sheet

**Icorene N1009**

Ethylene Vinyl Acetate Copolymer  
 LyondellBasell Industries  
 Custom Powders



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.