

Technical Data Sheet

Icorene N1007

Ethylene Vinyl Acetate Copolymer
 LyondellBasell Industries
 Custom Powders

Product Description

ICORENE® N1007 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 14%.

This grade has a maximum processing temperature of 240°C.

General

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.934 g/cm ³	0.934 g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	7.5 g/10 min	7.5 g/10 min	ASTM D1238
Vinyl Acetate Content	14.0 wt%	14.0 wt%	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	7400 psi	51.0 MPa	ASTM D638
Tensile Elongation (Break)	> 100 %	> 100 %	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	90	90	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	142 °F	61.0 °C	ASTM D1525
Peak Melting Temperature	190 °F	88.0 °C	ASTM D3418

Technical Data Sheet

Icorene N1007

Ethylene Vinyl Acetate Copolymer
 LyondellBasell Industries
 Custom Powders



Injection	Nominal Value (English)	Nominal Value (SI)
Processing (Melt) Temp	< 464 °F	< 240 °C

Notes

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