

Technical Data Sheet

Icorene N1009-1000 NAT



Ethylene Vinyl Acetate

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.

Regulatory Status

For regulatory compliance information, see *Icorene* N1009-1000 NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Attribute	Copolymer; Dispersible; Food Contact Acceptable; Good Colorability; Heat Stabilized
Forms	Powder
Additive	Heat Stabilizer
Application	Adhesives; Masterbatch

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density, (Internal Method)	0.940	g/cm ³	ASTM D1505
Vinyl Acetate Content, (Internal Method)	20.0	wt %	
Mechanical			
Tensile Elongation at Break	>100	%	ASTM D638
Tensile Modulus	26	MPa	ASTM D638
Hardness			
Durometer Hardness, (Shore A)	85		ASTM D2240
Thermal			
Vicat Softening Temperature	48	°C	ASTM D1525
Peak Melting Temperature	79	°C	ASTM D3418



Injection Parameters	Nominal Value	Units
Processing (Melt) Temp	<200	°C

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.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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