

Technical Data Sheet

***Icorene* N1009-2000 NAT0000XX**

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.

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