

Technical Data Sheet

ICORENE N1009-500 NATXX



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	