

## Technical Data Sheet

### *Icorene* N1008-800 NAT 0000



Ethylene Vinyl Acetate

#### Product Description

*Icorene* N1008 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 9%. This grade has a maximum processing temperature of 270°C.

<b>Attribute</b>	Copolymer; Dispersible; Food Contact Acceptable; Good Colorability; Heat Stabilized
<b>Forms</b>	Powder
<b>Additive</b>	Heat Stabilizer
<b>Application</b>	Masterbatch

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	9.0	g/10 min	ASTM D1238
Density, (Internal Method)	0.929	g/cm <sup>3</sup>	ASTM D1505
Vinyl Acetate Content, (Internal Method)	9.0	wt %	
<b>Mechanical</b>			
Tensile Elongation at Break	>100	%	ASTM D638
Tensile Modulus	74	MPa	ASTM D638
<b>Hardness</b>			
Durometer Hardness, (Shore A)	93		ASTM D2240
<b>Thermal</b>			
Vicat Softening Temperature	72	°C	ASTM D1525
Peak Melting Temperature	96	°C	ASTM D3418
<b>Injection Parameters</b>			
Processing (Melt) Temp	<270	°C	