

# ICORENE® N1003

Ethylene Vinyl Acetate Copolymer

ICO Polymers EMEA, A Division of A. Schulman

## Message:

ICORENE® N1003 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 18 %. Maximum processing temperature 240°C. ICORENE® N1003 can be used in various applications such as in hot melt adhesives.

General Information			
Additive	Heat Stabilizer		
Features	Copolymer		
	Dispersible		
	Food Contact Acceptable		
	Good Colorability		
	Heat Stabilized		
Uses	Adhesives		
	Masterbatch		
Agency Ratings	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
Forms	Powder		
Processing Method	Compounding Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	89		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	50.0	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	62.0	°C	ASTM D1525
Melting Temperature	86.0	°C	Internal Method
Injection	Nominal Value	Unit	
Processing (Melt) Temp	> 240	°C	

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