

# ICORENE® N1005

Ethylene Vinyl Acetate Copolymer  
ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® N1005 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 23 %. Maximum processing temperature 230°C.

General Information			
Additive	Heat Stabilizer		
Features	Copolymer		
	Dispersible		
	Food Contact Acceptable		
	Good Colorability		
	Heat Stabilized		
Uses	Food Packaging		
	Masterbatch		
Agency Ratings	EU Food Contact, Unspecified Rating		
	FDA Food Contact, Unspecified Rating		
Forms	Powder		
Processing Method	Compounding Extrusion		
	Scatter Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm <sup>3</sup>	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Vinyl Acetate Content	23.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	30.0	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	51.0	°C	ASTM D1525
Peak Melting Temperature	78.0	°C	ASTM D3418
Injection	Nominal Value	Unit	

Processing (Melt) Temp

< 230

°C

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#### Recommended distributors for this material

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