

ICORENE® N1001

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

Message:

ICORENE® N1001 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 19% offering low gel. Maximum processing temperature 240°C. ICORENE® N1001 can be used in various applications such as a base polymer for agricultural films.

General Information			
Additive	Heat Stabilizer		
Features	Copolymer		
	Dispersible		
	Food Contact Acceptable		
	Good Colorability		
	Heat Stabilized		
	Low Gel		
	Low Temperature Heat Sealability		
Uses	Agricultural Applications		
	Film		
	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	0.942	g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.65	g/10 min	ASTM D1238
Vinyl Acetate Content	19.0	wt%	Internal Method
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	100	µm	
Secant Modulus - 1% Secant, MD (100 µm)	54.0	MPa	ASTM D882
Tensile Strength - MD (Break, 100 µm)	33.0	MPa	ASTM D882
Tensile Elongation - MD (Break, 100 µm)	600	%	ASTM D882
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	62.0	°C	ASTM D1525
Melting Temperature	84.0	°C	Internal Method

Injection	Nominal Value	Unit
Processing (Melt) Temp	< 240	°C

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