

Greenflex® HN 70

Ethylene Vinyl Acetate Copolymer

Versalis S.p.A.

Message:

Greenflex HN 70 is an ethylene vinyl acetate copolymer (EVA) for compounding.

Greenflex HN 70 is a medium fluidity grade with high tack.

Main Application

Greenflex HN 70 is recommended as base component for hot melt adhesives used in packaging, bookbinding and woodworking.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	Good Adhesion		
	Hot Tack Strength		
	Medium Flow		
Uses	Adhesives		
	Compounding		
Agency Ratings	EU Food Contact, Unspecified Rating		
Forms	Pellets		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ISO 1133
Vinyl Acetate Content	28.0	wt%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, Injection Molded	75		
Shore D, Injection Molded	31		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Injection Molded)	2.70	MPa	ISO 527-2
Tensile Strain (Break, Injection Molded)	> 400	%	ISO 527-2
Flexural Modulus (Injection Molded)	15.0	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	45.0	°C	ISO 306/A
Melting Temperature	73.0	°C	Internal Method
Injection	Nominal Value	Unit	
Processing (Melt) Temp	140 to 190	°C	

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