

Arkema Group BONDINE® HX 8290 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

BONDINE® HX 8290 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized under high pressure in an autoclave process. This grade is characterised by a high fluidity. Due to its properties (reactivity, fluidity), BONDINE® HX 8290 is an additive of choice for hot melt adhesives formulation. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-BONDINE-HX-8290-Terpolymer-Ethylene-Acrylic-Ester-Maleic-Anhydride.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in³	ISO 1183
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Melt Index of Compound	70 g/10 min	70 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	ASTM D2240
Tensile Strength at Break	5.60 MPa	812 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.0300 GPa	4.35 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	85.0 °C	185 °F	DSC
Vicat Softening Point	<= 40.0 °C	<= 104 °F	ASTM D1525
	@Load 0.999 kg	@Load 2.20 lb	

Descriptive Properties	Value	Comments
Ethyl Acrylate Content (%)	17	IRTF (internal)
Maleic Anhydride Content (%)	2.8	IRTF (internal)

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