

Arkema Group LOTADER® AX 8840 Copolymer Ethylene - Glycidyl Methacrylate

Category : Polymer , Thermoplastic , Adhesives, Sealants, and Coatings

Material Notes:

LOTADER AX 8840 is a random copolymer of Ethylene and Glycidyl Methacrylate, polymerized under high pressure in an autoclave process. Due to the reactivity induced by the Glycidyl methacrylate, LOTADER AX 8840 can be use as a compatibilizer for Polyesters/Polyolefins blends and as an adhesive for some laminate structures (Polyolefins/Polyesters, Polyolefins/PPS etc.).Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-AX-8840-Copolymer-Ethylene-Glycidyl-Methacrylate.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ISO 1183
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Melt Index of Compound	5.0 g/10 min	5.0 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 D	50	50	ASTM D2240
Tensile Strength at Break	8.00 MPa	1160 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Modulus of Elasticity	0.104 GPa	15.1 ksi	ASTM D638
Flexural Modulus	0.0850 GPa	12.3 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	106 °C	223 °F	DSC
Vicat Softening Point	87.0 °C	189 °F	ASTM D1525
	@Load 0.999 kg	@Load 2.20 lb	

Descriptive Properties	Value	Comments
Glycidyl Methacrylate Content (%)	8	IRTF (internal)

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