

## Arkema Group LOTADER® AX 8900 Terpolymer Ethylene - Acrylic Ester - Glycidyl Methacrylate

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer

### Material Notes:

LOTADER® AX 8900 is a random terpolymer of ethylene, acrylic ester and glycidyl methacrylate, polymerized under high pressure in an autoclave process. Comonomer content is high. Due to its properties (reactivity, softness), LOTADER® AX 8900 is an additive (toughener) of choice in order to improve the impact strength of engineering thermoplastics like PA, Polyesters (PBT, PET), PC/PBT and PC/ABS alloys, PPS. It can also be use as a compatibilizer for Polyesters/Polyolefins blends and as an adhesive for some laminate structures. Information provided by Arkema Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-LOTADER-AX-8900-Terpolymer-Ethylene-Acrylic-Ester-Glycidyl-Methacrylate.php](http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-AX-8900-Terpolymer-Ethylene-Acrylic-Ester-Glycidyl-Methacrylate.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc @Temperature 23.0 °C	0.0340 lb/in³ @Temperature 73.4 °F	ISO 1183
Methyl Acrylate Content	24 %	24 %	FTIR (internal)
Melt Index of Compound	6.0 g/10 min @Load 2.16 kg, Temperature 190 °C	6.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	64	64	ASTM D2240
Hardness, Shore D	18	18	ASTM D2240
Tensile Strength at Break	4.00 MPa	580 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Modulus of Elasticity	0.00800 GPa	1.16 ksi	ASTM D638
Flexural Modulus	<= 0.0300 GPa	<= 4.35 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	65.0 °C	149 °F	DSC
Vicat Softening Point	<= 40.0 °C @Load 0.999 kg	<= 104 °F @Load 2.20 lb	ASTM D1525

Descriptive Properties	Value	Comments
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Glycidyl Methacrylate Content (%) Descriptive Properties	Value	FTRI (internal) Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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