

Arkema Group LOTADER® 4700 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

LOTADER 4700 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized under high pressure in an autoclave process. Comonomer content is high. Due to its properties (reactivity, softness), LOTADER 4700 is an additive (toughener) of choice in order to improve the impact strength of polyamides (PA6, PA66, PA12 etc.). It can also be use as a compatibilizer for PA/PO blends. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-4700-Terpolymer-Ethylene-Acrylic-Ester-Maleic-Anhydride.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	7.0 g/10 min	7.0 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	14	14	ASTM D2240
Tensile Strength at Break	5.50 MPa	798 psi	ASTM D638
Elongation at Break	800 %	800 %	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	<= 104 °F	ASTM D1525
	@Load 0.999 kg	@Load 2.20 lb	
Ring & Ball Softening Point	145 °C	293 °F	ASTM E28

Chemical Properties	Metric	English	Comments
Acid Value	11	11	mg KOH/g; Titration

Descriptive Properties	Value	Comments
Ethyl Acrylate Content (%)	29	IRTF (internal)

Descriptive Properties	Value	Comments
Maleic Anhydride Content (%)		WTP (internal)

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China