

Arkema Group LOTADER® 8200 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

LOTADER 8200 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized under high pressure in an autoclave process. Due to its properties (reactivity, fluidity), LOTADER 8200 is an additive of choice for hot melt adhesives formulation. LOTADER 8200 can also be used as a modifier (processing aid) for rubbers of high hardness. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-8200-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	200 g/10 min	200 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	26	26	ASTM D2240
Tensile Strength at Break	8.00 MPa	1160 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Flexural Modulus	0.0400 GPa	5.80 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	100 °C	212 °F	DSC
Vicat Softening Point	61.0 °C	142 °F	ASTM D1525
	@Load 0.999 kg	@Load 2.20 lb	
Ring & Ball Softening Point	112 °C	234 °F	ASTM E28

Chemical Properties	Metric	English	Comments
Acid Value	17	17	mg KOH/g; Titration

Processing Properties	Metric	English	Comments
Processing Temperature	<= 300 °C	<= 572 °F	

Descriptive Properties	Value	Comments
Ethyl Acrylate Content (%)	6.5	IRTF (internal)
Maleic Anhydride Content (%)	2.8	IRTF (internal)

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