

Arkema Group LOTADER® 3200 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

LOTADER 3200 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized under high pressure in an autoclave process. Due to its properties, LOTADER 3200 is used in pipeline protective coatings as a bonding layer between epoxy resin and polyethylene. LOTADER 3200 is also use as a coupling agent in mineral filled compounds. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-3200-Terpolymer-Ethylene-Acrylic-Ester-Maleic-Anhydride.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc @Temperature 23.0 °C	0.0340 lb/in ³ @Temperature 73.4 °F	ISO 1183
Butyl Acrylate Content	6.0 %	6.0 %	IRTF (internal)
Melt Index of Compound	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	46	46	ASTM D2240
Tensile Strength at Break	12.0 MPa	1740 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	0.120 GPa	17.4 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	107 °C	225 °F	DSC
Vicat Softening Point	80.0 °C @Load 0.999 kg	176 °F @Load 2.20 lb	ASTM D1525
Brittleness Temperature	<= -50.0 °C	<= -58.0 °F	ASTM D726

Processing Properties	Metric	English	Comments
Die Temperature	180 - 230 °C	356 - 446 °F	

Descriptive Properties	Value	Comments
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Maleic Anhydride Content (%) Descriptive Properties	3.1 Value	IRTF (internal) Comments
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