

Arkema Group LOTADER® 3410 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

LOTADER 3410 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized by high-pressure autoclave process. LOTADER 3410 is a versatile adhesive for extrusion coating or lamination, designed as: Concentrate to be used in dry blend with LDPE. LOTADER 3410 improves adhesion of LDPE on alu foils, metallized or primerized films and some plastic films. Ready for use resin to be used pure. LOTADER 3410 gives excellent adhesion on substrates like alu foil, metallized plastics, paper, board, PE and many plastic films. Coextrusion tie layer for PE/PA and PE/EVOH in extrusion coating process. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-3410-Terpolymer-Ethylene-Acrylic-Ester-Maleic-Anhydride.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
Butyl Acrylate Content	17 %	17 %	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	37	37	ASTM D2240
Tensile Strength at Break	8.00 MPa	1160 psi	ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Flexural Modulus	0.0600 GPa	8.70 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	89.0 °C	192 °F	DSC
Vicat Softening Point	47.0 °C @Load 0.999 kg	117 °F @Load 2.20 lb	ASTM D1525
Brittleness Temperature	<= -50.0 °C	<= -58.0 °F	ASTM D726

Processing Properties	Metric	English	Comments
Processing Temperature	270 - 330 °C	518 - 626 °F	

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

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