

Arkema Group LOTADER® 4210 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

LOTADER 4210 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized by high-pressure autoclave process.

LOTADER 4210 is a versatile adhesive for extrusion coating or lamination, designed as: Concentrate to be used in dry blend with LDPE.

LOTADER 4210 improves adhesion of LDPE on aluminum foils, metallized or primerized films. Ready for use resin to be used pure. LOTADER 4210 gives excellent adhesion on substrates like alu foil, metallized plastics, paper, board, PE and some plastic films. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-4210-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	6.5 %	6.5 %	IRTF (internal)
Melt Index of Compound	9.0 g/10 min @Load 2.16 kg, Temperature 190 °C	9.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ASTM D2240
Tensile Strength at Break	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	650 %	650 %	ASTM D638
Flexural Modulus	0.120 GPa	17.4 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	105 °C	221 °F	DSC
Vicat Softening Point	69.0 °C @Load 0.999 kg	156 °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 (%)	3.6	IRTF (internal)

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