

## Arkema Group LOTADER® 3210 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

### Material Notes:

LOTADER 3210 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized by high-pressure autoclave process.

Main applications LOTADER 3210 is a versatile adhesive for extrusion coating or lamination, designed as: Concentrate to be used in dry blend with LDPE. LOTADER 3210 improves adhesion of LDPE on alu foils, metallized or primerized films. Ready for use resin to be used pure.

LOTADER 3210 gives excellent adhesion on substrates like alu foil, metallized plastics, paper, board, PE and some plastic films like

BOPP. Coextrusion tie layer for PE/PA in extrusion coating process. Information provided by Arkema Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-LOTADER-3210-Terpolymer-Ethylene-Acrylic-Ester-Maleic-Anhydride.php](http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-3210-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 <sup>3</sup> @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	76.0 °C @Load 0.999 kg	169 °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)

## Contact Songhan Plastic Technology Co.,Ltd.

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