

## Arkema Group LOTADER® 5500 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Adhesive , Thermoplastic , EMAAA Terpolymer

### Material Notes:

LOTADER 5500 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized by high pressure autoclave process. These grade is characterised by a high fluidity. Functional groups contribute to the outstanding adhesive properties of LOTADER 5500 on various substrates. LOTADER 5500 is mainly used pure or in blends with polyolefins as thermo adhesive films or adhesives. Information provided by Arkema Group

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-LOTADER-5500-Terpolymer-Ethylene-Acrylic-Ester-Maleic-Anhydride.php](http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-5500-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
Melt Index of Compound	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	ASTM D2240
Tensile Strength at Break	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Flexural Modulus	0.0450 GPa	6.53 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	80.0 °C	176 °F	DSC
Vicat Softening Point	45.0 °C @Load 0.999 kg	113 °F @Load 2.20 lb	ASTM D1525

Descriptive Properties	Value	Comments
Ethyl Acrylate Content (%)	20	IRTF (internal)
Maleic Anhydride Content (%)	2.8	IRTF (internal)

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