

Arkema Group LOTADER® 4403 Terpolymer Ethylene - Acrylic Ester - Maleic Anhydride

Category : Polymer , Thermoplastic , EMAAA Terpolymer

Material Notes:

LOTADER 4403 is a random terpolymer of Ethylene, Acrylic Ester and Maleic Anhydride, polymerized by high pressure autoclave process. LOTADER 4403 is a versatile adhesive for extrusion lamination, designed as a ready for use resin to be used pure. LOTADER 4403 gives excellent adhesion to aluminium foil in the extrusion lamination process. It also bonds to PE films, paper, board, metallized plastics and corona treated plastics like OPP, CPP and OPA. Typical uses are: Adhesive for extrusion lamination of polar and non polar films and foils, particularly for laminates involving aluminium. Adhesive for coextrusion coating of LDPE / Tie / PA / tie onto paper or films. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTADER-4403-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
Methyl Acrylate Content	20 %	20 %	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	25	25	ASTM D2240
Tensile Strength at Break	9.60 MPa	1390 psi	ASTM D638
Elongation at Break	750 %	750 %	ASTM D638
Flexural Modulus	0.0200 GPa	2.90 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	77.0 °C	171 °F	DSC
Vicat Softening Point	45.0 °C @Load 0.999 kg	113 °F @Load 2.20 lb	ASTM D1525

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

Descriptive Properties	Value	Comments
Maleic Anhydride Content (%)	0.3	IRTF (internal)

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