

Lotader® LX4110

Ethylene Acrylic Acid Copolymer

Arkema

Message:

LOTADER® LX4110 is a random terpolymer of ethylene, acrylic ester and maleic anhydride, polymerized by high-pressure autoclave process.

Applications

LOTADER® LX4110 is a versatile adhesive for extrusion coating or lamination, designed as:

Concentrate to be used in dry blend with LDPE. LOTADER® LX4110 improves adhesion of LDPE on aluminium foils, metallized or primerized films.

Ready for use resin to be used pure. LOTADER® LX4110 gives excellent adhesion on substrates likes aluminium foil, metallized plastics, paper, board, PE and some plastic films like BOPP.

General Information			
Features	Autoclavable		
	Good Adhesion		
	Good Thermal Stability		
	High Melt Stability		
	Low Neck-In		
	Terpolymer		
Uses	Adhesives		
	Coating Applications		
	Film		
	Laminates		
	Plastics Modification		
Processing Method	Extrusion Coating		
	Laminating		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238, ISO 1133
Ethyl Acrylate Content	5.0	wt%	
Maleic Anhydride Content	3.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec, Compression Molded)	46		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	11.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	650	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	140	MPa	ASTM D790, ISO 178

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	78.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	105	°C	ISO 11357-3

NOTE

1. Loading 1 (10 N)

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