

Lotader® 3410

Ethylene Butyl Acrylate Copolymer

Arkema

Message:

LOTADER® 3410 is a random terpolymer of ethylene, acrylic ester and maleic anhydride, polymerized by high-pressure autoclave process.

Applications

LOTADER® 3410 is a versatile adhesive for extrusion coating or lamination, designed as:

Concentrate to be used in dry blend with LDPE. LOTADER® 3410 improves adhesion of LDPE on aluminium foils, metallized or primerized films.

Ready for use resin to be used pure. LOTADER® 3410 gives excellent adhesion on substrates likes aluminium foil, metallized plastics, paper, board, PE and some plastic films like BOPP.

Coextrusion tie layer for PE/PA in extrusion coating process.

LOTADER® 3410 is also a coupling agent for mineral filled compounds such as halogen free flame retardant wires and cables, a compatibilizer for polyamide/polyolefin blends and a modifier for polyamides.

General Information			
Features	Good Adhesion		
	High Melt Stability		
	Terpolymer		
Uses	Adhesives		
	Coating Applications		
	Laminates		
Forms	Pellets		
Processing Method	Coextrusion		
	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
n-Butyl Acrylate Content	17.0	wt%	
Maleic Anhydride Content	3.1	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	32		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	8.00	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	700	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	24.0	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	47.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	89.0	°C	ISO 11357-3

NOTE

1. Loading 1 (10 N)

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