

Lotader® 4210

Ethylene Butyl Acrylate Copolymer

Arkema

Message:

LOTADER® 4210 is a random terpolymer of ethylene, acrylic ester and maleic anhydride, polymerized by high-pressure autoclave process.

Applications

LOTADER® 4210 is a versatile adhesive for extrusion coating or lamination, designed as:

Concentrate to be used in dry blend with LDPE. LOTADER® 4210 improves adhesion of LDPE on aluminium foils, metallized or primerized films.

Ready for use resin to be used pure. LOTADER® 4210 gives excellent adhesion on substrates likes aluminium foil, metallized plastics, paper, board, PE and its copolymers.

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

General Information			
Features	Good Adhesion		
	High Melt Stability		
	Terpolymer		
Uses	Adhesives		
	Coating Applications		
	Laminates		
	Tie-Layer		
Forms	Pellets		
Processing Method	Extrusion		
	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)	9.0	g/10 min	ASTM D1238, ISO 1133
n-Butyl Acrylate Content	6.5	wt%	
Maleic Anhydride Content	3.6	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
Shore D, Compression Molded	46		ASTM D2240
Shore D, Compression Molded	69		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	10.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	650	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	120	MPa	ASTM D790, ISO 178

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	69.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	105	°C	ISO 11357-3

NOTE

1. Loading 1 (10 N)

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