

Lotader® 5500

Ethylene Ethyl Acrylate Copolymer

Arkema

Message:

LOTADER® 5500 is a random terpolymer of ethylene, acrylic ester and maleic anhydride, polymerized by high-pressure autoclave process.

Applications

Due to its properties, reactivity, fluidity and compatibility with tackifying resins and waxes, LOTADER® 5500 is suitable as additive for hot melt adhesive formulations and as coupling agent in mineral filled compounds.

General Information			
Features	Terpolymer		
Uses	Adhesives		
	Film		
	Plastics Modification		
Forms	Pellets		
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)	20	g/10 min	ASTM D1238, ISO 1133
Ethyl Acrylate Content	20.0	wt%	
Maleic Anhydride Content	2.8	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Compression Molded)	93		ASTM D2240, 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)	700	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	45.0	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	45.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	80.0	°C	ISO 11357-3
NOTE			
1.	Loading 1 (10 N)		

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