

Lotryl® 30BA02

Ethylene Butyl Acrylate Copolymer

Arkema

Message:

LOTRYL® 30BA02 is a random copolymer of Ethylene and Butyl Acrylate produced by high-pressure radicalar polymerization process.

Applications

Due to the high butyl acrylate content, LOTRYL® 30BA02 can be used for applications where flexibility and polarity are required.

LOTRYL® 30BA02 can be used for polymer modification, in compounds formulations and in film applications.

General Information			
Features	Good Flexibility		
	Random Copolymer		
Uses	Blown Film		
	Cast Film		
	Compounding		
	Film		
	Plastics Modification		
Processing Method	Compounding		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5 to 2.5	g/10 min	ASTM D1238, ISO 1133
n-Butyl Acrylate Content	28.0 to 32.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Compression Molded)	75		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	6.00	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	850	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	9.00	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	41.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	75.0	°C	ISO 11357-3
Ring and Ball Softening Point	< 190	°C	ASTM E28
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 to 170	°C	
Cylinder Zone 2 Temp.	170	°C	
Cylinder Zone 3 Temp.	170	°C	

Cylinder Zone 4 Temp.	170	°C
Die Temperature	170	°C
NOTE		
1.	Loading 1 (10 N)	

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