

Lotryl® 28BA175

Ethylene Butyl Acrylate Copolymer

Arkema

Message:

LOTRYL® 28BA175 is a random copolymer of Ethylene and Butyl Acrylate produced by high-pressure radical polymerization process.

Applications

Due to the high butyl acrylate content, LOTRYL® 28BA175 can be used for applications where flexibility and polarity are required. Combined with a high fluidity, LOTRYL® 28BA175 is particularly recommended for the formulation of hot melt adhesives. It can also be used as processing-aid in highly filled compounds.

General Information			
Features	Good Flexibility Random Copolymer		
Uses	Adhesives Plastics Modification		
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)	150 to 200	g/10 min	ASTM D1238, ISO 1133
n-Butyl Acrylate Content	26.0 to 30.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, Compression Molded)	80		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	3.00	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	300	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	23.0	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	40.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	75.0	°C	ISO 11357-3
Ring and Ball Softening Point	94	°C	ASTM E28
Extrusion	Nominal Value	Unit	Test Method
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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