

LOTRYL[®] 28BA175

Ethylene – Butyl Acrylate copolymer

DESCRIPTION

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

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Butyl Acrylate content	26-30	% Wt	FTIR (Internal method)
Melt Index (190°C / 2.16 kg)	150-200	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.93	g/cm ³	ISO 1183 / ASTM1505
Melting point	75	°C	ISO 11357-3
Vicat softening point (10N) ⁽¹⁾	40	°C	ISO 306 / ASTM D1525
Flexural modulus ⁽¹⁾	23	MPa	ISO 178 / ASTM D790
Elongation at break ⁽¹⁾	750	%	ISO 527-2 / ASTM D638
Tensile strength at break ⁽¹⁾	3	MPa	ISO 527-2 / ASTM D638
Hardness Shore A ⁽¹⁾	80	-	ISO 868 / ASTM D2240
Ring & Ball Temperature	94	°C	ASTM E28

⁽¹⁾ On compression molded samples.

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.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

LOTRYL® 28BA175

PROCESSING

LOTRYL® 28BA175 can be processed with standard polyolefin equipment up to 300°C and it is recommended to purge the equipment after a run is completed.

If LOTRYL® 28BA175 is used pure for instance with blown or cast film technology, standard temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Fittings-Channels	Die
150 - 170°C	170°C	170°C	170°C	170°C	170°C

Final profile and settings depend on the line and multilayer structure being run.

STORAGE, HANDLING AND SAFETY

LOTRYL® 28BA175 should be stored in standard conditions and protected from UV-light. Improper storage conditions may cause degradation and could have consequences on physical properties of the product.

Due to its physical properties (Vicat temperature <40°C), it may be possible that the LOTRYL® 28BA175 shows some caking. This is particularly true during summer time.

Safety data sheet as well as information on handling and storage of the LOTRYL® 28BA175 is available upon request to your ARKEMA representative or on the web site lotryl.com.

SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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Any claim relating to defects or non-compliance of the products shall be valid only if it is sent to Arkema in writing within fifteen (15) calendar days following delivery of the Product.