

LOTRYL® 35BA40T

Ethylene – Butyl Acrylate copolymer

DESCRIPTION

LOTRYL® 35BA40T 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	33-37	% Wt	FTIR (Internal method)
Melt Index (190°C / 2.16 kg)	35-45	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.93	g/cm ³	ISO 1183 / ASTM D792
Melting point	89	°C	ISO 11357-3
Vicat softening point (10N) ⁽¹⁾	<40	°C	ISO 306 / ASTM D1525
Ring & Ball Temperature	134	°C	ASTM E28
Flexural modulus ⁽¹⁾	<10	MPa	ISO 178 / ASTM D790
Elongation at break ⁽¹⁾	400	%	ISO 527-2 / ASTM D638
Tensile strength at break ⁽¹⁾	1.8	MPa	ISO 527-2 / ASTM D638
Hardness Shore A ⁽¹⁾	60	-	ISO 868 / ASTM D2240

⁽¹⁾ On compression molded samples.

APPLICATIONS

Due to the high butyl acrylate content, LOTRYL® 35BA40T can be used for applications where flexibility and polarity are required. Thanks to its high fluidity, LOTRYL® 35BA40T is recommended for the formulation of hot melt adhesives. It can also be used in polyesters as an impact modifier for high fluidity compounds

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

LOTRYL® 35BA40T

PROCESSING

LOTRYL® 35BA40T 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® 35BA40T 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® 35BA40T 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, it may be possible that the LOTRYL® 35BA40T shows some caking. This is particularly true during summer time.

Safety data sheet as well as information on handling and storage of the LOTRYL® 35BA40T 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.