

# LOTRYL<sup>®</sup> 35BA40

## Ethylene – Butyl Acrylate copolymer

### DESCRIPTION

LOTRYL<sup>®</sup> 35BA40 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 <sup>3</sup>	ISO 1183 / ASTM1505
Melting point	66	°C	ISO 11357-3
Vicat softening point (10N) <sup>(1)</sup>	<40	°C	ISO 306 / ASTM D1525
Elongation at break <sup>(1)</sup>	600	%	ISO 527-2 / ASTM D638
Tensile strength at break <sup>(1)</sup>	2	MPa	ISO 527-2 / ASTM D638
Hardness Shore A <sup>(1)</sup>	70	-	ISO 868 / ASTM D2240
Ring & Ball Temperature	110	°C	ASTM E28

<sup>(1)</sup> On compression molded samples.

### APPLICATIONS

Due to the high butyl acrylate content, LOTRYL<sup>®</sup> 35BA40 can be used for applications where flexibility and polarity are required. Combined with a high fluidity, LOTRYL<sup>®</sup> 35BA40 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® 35BA40

## PROCESSING

LOTRYL® 35BA40 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® 35BA40 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® 35BA40 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® 35BA40 shows some caking. This is particularly true during summer time.

Safety data sheet as well as information on handling and storage of the LOTRYL® 35BA40 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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