

LOTRYL[®] 35BA40

LOTRYL[®] 35BA40 is a random ethylene-butyl acrylate copolymer.

- Due to the high butyl acrylate content, LOTRYL[®] 35BA40 can be used for applications where flexibility and polarity are required.
- Combined with a high fluidity, LOTRYL[®] 35BA40 is particularly recommended for the formulation of hot melt adhesives. It can also be used as processing-aid in highly filled compounds.

Typical Properties

	Test Method	Unit	Typical Value
Butyl Acrylate Content	FTIR (internal method)	%. -wt.	35
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	40
Melting Point	ISO 11357-3	°C	66
Density	ISO 1193 / ASTM D150	g/cm ³	0.94
Vicat Softening Temperature (10N) ¹	ISO 306 / ASTM D1525	°C	<40
Flexural Modulus ¹	ISO 178 / ASTM D790	MPa	<10
Elongation at Break ¹	ISO 527-2 / ASTM D638	%	600
Tensile Strength at break ¹	ISO 527-2 / ASTM D638	MPa	2
Hardness Shore A ¹	ISO 868 / ASTM D2240		70
Ring & Ball Temperature	ASTM E28	°C	110

¹: On compression molded samples.

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Processing

LOTRYL® 35BA40 can be processed with standard polyolefin extrusion 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 & 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 are available upon request to your SK Functional Polymer representative.

Shelf Life

Three 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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