

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	g/10min.	40
Butyl Acrylate Content	FTIR (internal method)	%wt.	35
Melting Point	ISO 11357	°C	66
Density	ISO 1183 / ASTM D792	g/cm ³	0.94
Vicat Softening Temperature (10N) ¹	ISO 306	°C	<40
Tensile Strength at break ¹	ISO 527 / ASTM D638	MPa	2
Elongation at Break ¹	ISO 527 / ASTM D638	%	600
Flexural Modulus ¹	ISO 178	MPa	<10
Hardness Shore A (15s) ¹	ISO 868 / ASTM D2240		70
Ring & Ball Temperature	ASTM E28	°C	110

¹: On compression molded samples.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof and cannot be used as product specifications. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, SKFP expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.

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 a ventilated area, away from heat, humidity and direct sunlight. 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 summertime.

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 or at www.sk-fp.com.

Shelf Life

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

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof and cannot be used as product specifications. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, SKFP expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.

The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement. See SDS for Health & Safety Considerations.