

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 |
| Melting Point | ISO 11357-3 | °C | 66 |
| Density | ISO 1183 | 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.

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 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.

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 information above is believed to be accurate and represents the best information currently available to us. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to SK Corporation's standard terms and conditions of sale, copies of which are available upon request and which are part of SK Functional Polymer invoices and/or order acknowledgments. Except as expressly provided in SK Corporation's standard terms and conditions of sale, SK Corporation makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and SK Corporation assumes no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. SK Functional Polymer is a subsidiary of SK Global Chemical.