

LOTRYL® 35BA40T

LOTRYL® 35BA40T is a random ethylene-butyl acrylate copolymer.

- 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 suitable for the formulation of hot melt adhesives. It can also be used in polyesters as an impact modifier for high fluidity compounds

Typical Properties

| | Test Method | Unit | Typical Value |
|--|------------------------|-------------------|---------------|
| Melt Index (190°C/2.16kg) | ISO 1133 | g/10min. | 40 |
| Butyl Acrylate Content | FTIR (internal method) | %wt. | 35 |
| Melting Point | ISO 11357 | °C | 89 |
| 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 | 1.8 |
| Elongation at Break ¹ | ISO 527 / ASTM D638 | % | 400 |
| Flexural Modulus ¹ | ISO 178 | MPa | <10 |
| Hardness Shore A (15s) ¹ | ISO 868 / ASTM D2240 | | 60 |
| Ring & Ball Temperature | ASTM E28 | °C | 134 |

¹: On compression molded samples.

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Processing

LOTRYL® 35BA40T 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® 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 & Safety

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

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