

# LOTRYL<sup>®</sup> 28BA175

LOTRYL<sup>®</sup> 28BA175 is a random ethylene-butyl acrylate copolymer.

- Due to the high butyl acrylate content, LOTRYL<sup>®</sup> 28BA175 can be used for applications where flexibility and polarity are required.
- Combined with a high fluidity, LOTRYL<sup>®</sup> 28BA175 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.	28
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	175
Melting Point	ISO 11357-3	°C	75
Density	ISO 1193 / ASTM D150	g/cm <sup>3</sup>	0.94
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306 / ASTM D1525	°C	40
Flexural Modulus <sup>1</sup>	ISO 178 / ASTM D790	MPa	23
Elongation at Break <sup>1</sup>	ISO 527-2 / ASTM D638	%	750
Tensile Strength at break <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	3
Hardness Shore A <sup>1</sup>	ISO 868 / ASTM D2240		80
Ring & Ball Temperature	ASTM E28	°C	94

<sup>1</sup>: On compression molded samples.

## Processing

LOTRYL® 28BA175 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® 28BA175 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® 28BA175 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® 28BA175 shows some caking. This is particularly true during summer time

Safety data sheet as well as information on handling and storage of the LOTRYL® 28BA175 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.*