

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.

