

LOTRYL[®] 30BA02

LOTRYL[®] 30BA02 is a random ethylene-butyl acrylate copolymer.

- Due to the high butyl acrylate content, LOTRYL[®] 30BA02 can be used for applications where flexibility and polarity are required.
- LOTRYL[®] 30BA02 can be used for polymer modification, in compounds formulations and in film applications.

Typical Properties

	Test Method	Unit	Typical Value
Butyl Acrylate Content	FTIR (internal method)	%wt.	30
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	2
Melting Point	ISO 11357	°C	75
Density	ISO 1183 / ASTM D792	g/cm ³	0.94
Vicat Softening Temperature (10N) ¹	ISO 306	°C	41
Tensile Strength at break ¹	ISO 527 / ASTM D638	MPa	6
Elongation at Break ¹	ISO 527 / ASTM D638	%	850
Flexural Modulus ¹	ISO 178	MPa	9
Hardness Shore A (15s) ¹	ISO 868 / ASTM D2240		75
Ring & Ball Temperature	ASTM E28	°C	>190

¹: On compression molded samples.

Processing

LOTRYL® 30BA02 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® 30BA02 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® 30BA02 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.

Safety data sheet as well as information on handling and storage of the LOTRYL® 30BA02 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.