SK functional polymer

Technical Data Sheet
Date Prepared: March 2020

LOTRYL® 17BA04

LOTRYL® 17BA04 is a random ethylene-butyl acrylate copolymer.

- Due to the methyl acrylate content, LOTRYL® 17BA04 can be used for applications where softness, flexibility and polarity are required.
- LOTRYL® 17BA04 can be used as tie layer in PP/PE coextrusion, in extrusion coating on many substrates, in compounds formulation and foams. It is also suitable for wires and cables application in HFFR formulations and SIOPLAST cross-linkable compound.

Typical Properties

	Test Method	Unit	Typical Value
Butyl Acrylate Content	FTIR (internal method)	%.-wt.	17
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	4
Melting Point	ISO 11357-3	°C	93
Density	ISO 1193 / ASTM D150	g/cm^3	0.94
Vicat Softening Temperature (10N)[1]	ISO 306 / ASTM D1525	°C	60
Flexural Modulus[1]	ISO 178 / ASTM D790	MPa	45
Elongation at Break[1]	ISO 527-2 / ASTM D638	%	700
Tensile Strength at break[1]	ISO 527-2 / ASTM D638	MPa	15
Hardness Shore D[1]	ISO 868 / ASTM D2240		32

[1]: On compression molded samples.

Processing

LOTRYL® 17BA04 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® 17BA04 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® 17BA04 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.

Safety data sheet as well as information on handling and storage of the LOTRYL® 17BA04 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.