Technical Data Sheet
Date Prepared: September 2024

LOTRYL® 17BA07T

LOTRYL® 17BA07T is a random ethylene-butyl acrylate copolymer.

- Due to the butyl acrylate content, LOTRYL® 17BA07T can be used for applications where softness, flexibility and polarity are required.
- LOTRYL® 17BA07T 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.	7
Melting Point	ISO 11357-3 / ASTM D3418	°C	107
Density	ISO 1183 / ASTM D792		0.94
Vicat Softening Temperature (10N)[1]	ISO 306 / ASTM D1525	°C	65
Flexural Modulus[1]	ISO 178 / ASTM D790	MPa	74
Elongation at Break[1]	ISO 527-2 / ASTM D638	%	800
Tensile Strength at break[1]	ISO 527-2 / ASTM D638	MPa	11
Hardness Shore A/D[1]	ISO 868 / ASTM D2240		93/33

[1]: On compression molded samples.

Processing

LOTRYL® 17BA07T 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® 17BA07T 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® 17BA07T 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® 17BA07T are available upon request to your SK Functional Polymer representative or on website 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.