

LOTRYL® 17BA04

Ethylene – Butyl Acrylate copolymer

DESCRIPTION

LOTRYL® 17BA04 is a random copolymer of Ethylene and Butyl Acrylate produced by high-pressure radical polymerization process.

TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Butyl Acrylate content	16-19	% Wt	FTIR (Internal method)
Melt Index (190°C / 2.16 kg)	3.5-4.5	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.93	g/cm ³	ISO 1183 / ASTM1505
Melting point	93	°C	ISO 11357-3
Vicat softening point (10N) ⁽¹⁾	60	°C	ISO 306 / ASTM D1525
Flexural modulus ⁽¹⁾	45	MPa	ISO 178 / ASTM D790
Elongation at break ⁽¹⁾	700	%	ISO 527-2 / ASTM D638
Tensile strength at break ⁽¹⁾	15	MPa	ISO 527-2 / ASTM D638
Hardness Shore D ⁽¹⁾	32	-	ISO 868 / ASTM D2240

⁽¹⁾ On compression molded samples.

APPLICATIONS

Due to the butyl acrylate content, LOTRYL® 17BA04 can be used for applications where softness, flexibility and polarity are required. Typical applications are extrusion coating, coextrusion and compounds.

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 compounds.

For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

LOTRYL® 17BA04

PROCESSING

LOTRYL® 17BA04 can be processed with standard polyolefin 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 AND 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 is available upon request to your ARKEMA representative or on the web site lotryl.com.

SHELF LIFE

Two years from the date of delivery, in unopened packaging. For any use above this limit, please refer to our technical services.

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