

# LOTRYL® 17BA07N

## Ethylene – Butyl Acrylate copolymer

### DESCRIPTION

LOTRYL® 17BA07N 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	15-19	% Wt	FTIR (Internal method)
Melt Index (190°C / 2.16 kg)	6.2-8.3	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.93	g/cm <sup>3</sup>	ISO 1183 / ASTM1505
Melting point	93	°C	ISO 11357-3
Vicat softening point (10N) <sup>(1)</sup>	58	°C	ISO 306 / ASTM D1525
Flexural modulus <sup>(1)</sup>	40	MPa	ISO 178 / ASTM D790
Elongation at break <sup>(1)</sup>	700	%	ISO 527-2 / ASTM D638
Tensile strength at break <sup>(1)</sup>	15	MPa	ISO 527-2 / ASTM D638
Hardness Shore D <sup>(1)</sup>	30	-	ISO 868 / ASTM D2240

<sup>(1)</sup> On compression molded samples.

### APPLICATIONS

LOTRYL® 17BA07N grade thanks to the production process and the continuous quality control is polymer of choice to produce internal and external fully bonded shields for electrical cables.

The process ensures unmatched polymer distribution, good carbon black dispersion, high thermal stability during extrusion and along cables use; then it extends the cable service duration.

LOTRYL® 17BA07N withstand the more stringent cross-linking conditions.

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

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## PROCESSING

LOTRYL® 17BA07N 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® 17BA07N 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® 17BA07N 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® 17BA07N is available upon request to your ARKEMA representative or on the web site [lotryl.com](http://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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