

# LOTRYL<sup>®</sup> 18MA02

## Ethylene – Methyl Acrylate copolymer

### DESCRIPTION

LOTRYL<sup>®</sup> 18MA02 is a random copolymer of Ethylene and Methyl Acrylate produced by high-pressure radical polymerization process.

### TYPICAL PROPERTIES

Characteristics	Value	Unit	Test Method
Methyl Acrylate content	17-20	% Wt	FTIR (Internal method)
Melt Index (190°C / 2.16 kg)	2-3	g/10min	ISO 1133 / ASTM D1238
Density (23°C)	0.94	g/cm <sup>3</sup>	ISO 1183 / ASTM1505
Melting point	83	°C	ISO 11357-3
Vicat softening point (10N) <sup>(1)</sup>	53	°C	ISO 306 / ASTM D1525
Flexural modulus <sup>(1)</sup>	50	MPa	ISO 178 / ASTM D790
Elongation at break <sup>(1)</sup>	700	%	ISO 527-2 / ASTM D638
Tensile strength at break <sup>(1)</sup>	13	MPa	ISO 527-2 / ASTM D638
Hardness Shore D <sup>(1)</sup>	25	-	ISO 868 / ASTM D2240

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

### APPLICATIONS

Due to the methyl acrylate content, LOTRYL<sup>®</sup> 18MA02 can be used for applications where softness, flexibility and polarity are required. Typical applications are extrusion coating, coextrusion and compounds.

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

# LOTRYL® 18MA02

## PROCESSING

LOTRYL® 18MA02 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® 18MA02 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® 18MA02 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® 18MA02 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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