

# LOTRYL® 18MA02

LOTRYL® 18MA02 is a random ethylene-methyl acrylate copolymer.

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

## Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	2
Methyl Acrylate Content	FTIR (internal method)	%wt.	18
Melting Point	ISO 11357	°C	83
Density	ISO 1183 / ASTM D792		0.94
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306	°C	53
Tensile Strength at break <sup>1</sup>	ISO 527 / ASTM D638	MPa	13
Elongation at Break <sup>1</sup>	ISO 527 / ASTM D638	%	700
Flexural Modulus <sup>1</sup>	ISO 178	MPa	50
Hardness Shore D (15s) <sup>1</sup>	ISO 868 / ASTM D2240		25

<sup>1</sup>: On compression molded samples.

## Processing

LOTRYL® 18MA02 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® 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 & Safety

LOTRYL® 18MA02 should be stored in a ventilated area, away from heat, humidity and direct sunlight. 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 are available upon request to your SK Functional Polymer representative or at [www.sk-fp.com](http://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.

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