

# LOTRYL<sup>®</sup> 18MA02

LOTRYL<sup>®</sup> 18MA02 is a random ethylene-methyl acrylate copolymer.

- 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, co-extrusion and compounds.

## Typical Properties

	Test Method	Unit	Typical Value
Methyl Acrylate Content	FTIR (internal method)	%.-wt.	18
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	2
Melting Point	ISO 11357-3	°C	83
Density	ISO 1193 / ASTM D150	g/cm <sup>3</sup>	0.94
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306 / ASTM D1525	°C	53
Flexural Modulus <sup>1</sup>	ISO 178 / ASTM D790	MPa	50
Elongation at Break <sup>1</sup>	ISO 527-2 / ASTM D638	%	700
Tensile Strength at break <sup>1</sup>	ISO 527-2 / ASTM D638	MPa	13
Hardness Shore D <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 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 are available upon request to your SK Functional Polymer representative.

## Shelf Life

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

*The information above is believed to be accurate and represents the best information currently available to us. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to SK Corporation's standard terms and conditions of sale, copies of which are available upon request and which are part of SK Functional Polymer invoices and/or order acknowledgments. Except as expressly provided in SK Corporation's standard terms and conditions of sale, SK Corporation makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and SK Corporation assumes no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. SK Functional Polymer is a subsidiary of SK Global Chemical.*