

# LOTRYL® 28MA07

LOTRYL® 28MA07 is a random ethylene-methyl acrylate copolymer.

- Due to the methyl acrylate content, LOTRYL® 28MA07 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.	28
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	7
Melting Point	ISO 11357	°C	65
Density	ISO 1183 / ASTM D792	g/cm <sup>3</sup>	0.94
Vicat Softening Temperature (10N) <sup>1</sup>	ISO 306	°C	<40
Flexural Modulus <sup>1</sup>	ISO 178	MPa	10
Elongation at Break <sup>1</sup>	ISO 527 / ASTM D638	%	900
Tensile Strength at break <sup>1</sup>	ISO 527 / ASTM D638	MPa	7
Hardness Shore A (15s) <sup>1</sup>	ISO 868 / ASTM D2240		76

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

## Processing

LOTRYL® 28MA07 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® 28MA07 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® 28MA07 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.

Due to its physical properties (Vicat temperature <40°C), it may be possible that the product shows some caking. This is particularly true during summertime.

Safety data sheet as well as information on handling and storage of the LOTRYL® 28MA07 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.