

LOTRYL® 29MA03T

LOTRYL® 29MA03T is a random ethylene-methyl acrylate copolymer.

- Due to the high methyl acrylate content, LOTRYL® 29MA03T can be used for applications where softness, flexibility and polarity are required.
- Typical applications are flexible film, polyesters modification, masterbatch carrier resin and cable compounds

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	3
Methyl Acrylate Content	FTIR (internal method)	%wt.	29
Melting Point	ISO 11357	°C	92
Density	ISO 1183 / ASTM D792	g/cm ³	0.94
Vicat Softening Temperature (10N) ¹	ISO 306	°C	<40
Tensile Strength at 500% ¹	ISO 527 / ASTM D638	MPa	10
Elongation at Break ¹	ISO 527 / ASTM D638	%	900
Flexural Modulus ¹	ISO 178	MPa	12
Hardness Shore A/D (15s) ¹	ISO 868 / ASTM D2240		73/18

¹: On compression molded samples.

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Processing

LOTRYL® 29MA03T 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® 29MA03T 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® 29MA03T should be stored in standard conditions and protected from 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® 29MA03T are available upon request to your SK Functional Polymer representative or at 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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