

LOTRYL® 40MA05T

LOTRYL® 40MA05T is a random ethylene-methyl acrylate copolymer.

- Due to the exceptionally high methyl acrylate content, LOTRYL® 40MA05T can be used for applications where softness, flexibility and polarity are required.
- Lotryl® 40MA05T can be used as an additive in flexible and breathable films, masterbatch carriers, cable compounds, sound deadening foams, shoe soles, impact modifiers (ABS, polyamides, thermoplastic polyesters...).

Typical Properties

	Test Method	Unit	Typical Value
Melt Index (190°C/2.16kg)	ISO 1133	g/10min.	5
Methyl Acrylate Content	FTIR (internal method)	%wt.	40
Melting Point	ISO 11357	°C	75
Density	ISO 1183 / ASTM D792	g/cm ³	0.98
Vicat Softening Temperature (10N) ¹	ISO 306	°C	< 23
Tensile strength at break ¹	ISO 527 / ASTM D638	MPa	2.5
Elongation at break ¹	ISO 527 / ASTM D638	%	800
Flexural Modulus ¹	ISO 178 / D790	MPa	< 10
Hardness Shore A/D (15s) ¹	ISO 868 / ASTM D2240		41/7

¹: On compression molded samples.

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Storage, Handling & Safety

LOTRYL® 40MA05T 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 LOTRYL® 40MA05T shows some caking. This is particularly true during summertime.

Safety data sheet as well as information on handling and storage of the LOTRYL® 40MA05T 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.