

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
Methyl Acrylate Content	FTIR (internal method)	%.-wt.	40
Melt Index (190°C/2.16kg)	ISO 1133 / ASTM D1238	g/10min.	5
Melting Point	ISO 11357 / ASTM D3418	°C	70
Vicat (10N) ¹	ISO 306 / ASTM D1525	°C	< 23
Hardness (Shore A, 15 sec.) ¹	ISO 868 / ASTM D2240		41
Hardness (Shore D, 15 sec.) ¹	ISO 868 / ASTM D2240		7
Flexural Modulus ¹	ISO 178 / D790	MPa	< 10
Elongation at break ¹	ISO 527 / ASTM D638	%	800
Tensile strength at break ¹	ISO 527 / ASTM D638	MPa	2.5
Density	ISO 1183 / ASTM D792	g/cm ³	0.98

¹: On compression molded samples.

Storage, Handling & Safety

LOTRYL® 40MA05T should be stored in standard conditions: protected from UV-light, humidity and elevated temperatures (blocking risk). 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® 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.

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.