

# LOTRYL<sup>®</sup> 40MA05T

## *Under development*

LOTRYL<sup>®</sup> 40MA05T is a random ethylene-methyl acrylate copolymer.

- Due to the exceptionnally high methyl acrylate content, LOTRYL<sup>®</sup> 40MA05T can be used for applications where softness, flexibility and polarity are required.
- Lotryl<sup>®</sup> 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 11357-3	°C	76
Vicat (10N) <sup>1</sup>	ISO 306	°C	< 23
Hardness (Shore A, 15 sec.) <sup>1</sup>	ISO 868		41
Hardness (Shore D, 15 sec.) <sup>1</sup>	ISO 868		7
Flexural Modulus <sup>1</sup>	ISO 178	MPa	< 10
Elongation at break <sup>1</sup>	ISO 527	%	800
Tensile strength at break <sup>1</sup>	ISO 527	MPa	2.5
Density	ISO 1193 / ASTM D150	g/cm <sup>3</sup>	0.98

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

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## **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.

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