

# LOTRYL<sup>®</sup> 24MA005

## COPOLYMER Ethylene – Methyl Acrylate

### Description

LOTRYL<sup>®</sup> 24MA005 is a random copolymer of Ethylene and methyl acrylate made by high-pressure radical polymerisation process.

### Main application

Due to the High Methyl Acrylate content, LOTRYL<sup>®</sup> 24MA005 is a polymer of choice for applications where softness, flexibility and polarity are required. Typical applications are flexible film, polyesters modification and cable compounds.

### Main characteristics

Characteristics	Value	Unit	Test Method
Acrylate ester Content	23 - 26	% wt	IRTF (internal)
Melt index (190°C / 2,16 kg)	4 - 6	g/10mn	ASTM D 1238 / ISO 1133

### Typical properties

Characteristics	Value	Unit	Test Method
Density (23°C)	0.95	g/cm <sup>3</sup>	ISO 1183
Melting point	70	°C	DSC
Vicat softening point (10N)	43	°C	ASTM D 1525 / ISO 306
Flexural modulus	18	MPa	ASTM D 638 / ISO 527
Elongation at break	700	%	ASTM D 638 / ISO 527
Tensile strength at break	20	MPa	ASTM D 638 / ISO 527
Hardness Shore A	84	-	ASTM D 2240 / ISO 868

### Processing

LOTRYL<sup>®</sup> 24MA005 can be processed with standard polyolefin equipment up to 300°C and it is recommended to purge the equipment after a run is completed.

### Packaging

LOTRYL<sup>®</sup> 24MA005 is available in pellet form and commonly packed in 25 kg PE bags on pallets of 1.375 tons. Other packaging can be considered (ask your Arkema's representative).

### Safety

A safety data sheet as well as information on handling and storage of the LOTRYL<sup>®</sup> 24MA005 is available close to your correspondent ARKEMA or on the web site under heading FDS/MSDS.

August 2006

The information contained in this document is based on trials carried out by our Research Centers and data selected from the literature, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.

