

Ethylene – Methyl Acrylate Copolymer

Description

LOTRYL[®] 24MA005 is a random copolymer of ethylene and methyl acrylate produced by high-pressure radical polymerization process.

Applications

Due to the high methyl acrylate content, LOTRYL[®] 24MA005 can be used for applications where softness, flexibility and polarity are required. Typical applications are flexible film, polyesters modification and cable compounds.

Typical properties

Characteristics	Value	Unit	Test Method
Methyl acrylate content	23-26	% Wt	IRTF (internal)
Melt index (190°C / 2.16 kg)	0.4–0.6	g/10min	ISO 1133 / ASTM D 1238
Density (23°C)	0.94	g/cm ³	ISO 1183
Melting point	76	°C	DSC (internal)
Vicat softening point (10N)	49	°C	ISO 306 / ASTM D 1525
Tensile modulus	18	MPa	ISO 527 / ASTM D 638
Elongation at break	750	%	ISO 527 / ASTM D 638
Tensile strength at break	12	MPa	ISO 527 / ASTM D 638
Hardness Shore A	92	-	ISO 868 / ASTM D 2240

Processing

LOTRYL[®] 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.

Storage, handling and safety

LOTRYL[®] 24MA005 should be stored in standard conditions and protected from UV-light. 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[®] 24MA005 is available upon request to your ARKEMA representative or on the web site www.lotryl.com.

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