

Ethylene – Methyl Acrylate Copolymer

Description

LOTRYL[®] 14MGC02 is a random copolymer of ethylene and methyl acrylate produced by high-pressure radical polymerization process.

Applications

Due to the methyl acrylate content and additives, LOTRYL[®] 14MGC02 can be used for applications where softness and flexibility are required. Main application is film extrusion for making gloves.

Typical properties

Characteristics	Value	Unit	Test Method
Methyl acrylate content	12-15	% Wt	IRTF (internal)
Melt index (190°C / 2.16 kg)	2-3	g/10min	ISO 1133 / ASTM D 1238
Density (23°C)	0.94	g/cm ³	ISO 1183
Melting point	92	°C	DSC (internal)
Vicat softening point (10N)	65	°C	ISO 306 / ASTM D 1525
Tensile modulus	77	MPa	ISO 527 / ASTM D 638
Elongation at break	800	%	ISO 527 / ASTM D 638
Tensile strength at break	15	MPa	ISO 527 / ASTM D 638
Hardness Shore A	93	-	ISO 868 / ASTM D 2240
Hardness Shore D	30	-	ISO 868 / ASTM D 2240

Processing

LOTRYL[®] 14MGC02 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[®] 14MGC02 should be stored in standard conditions and protected from UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Safety data sheet as well as information on handling and storage of the LOTRYL[®] 14MGC02 is available upon request to your ARKEMA representative or on the web site www.lotryl.com.

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