

Ethylene – Methyl Acrylate Copolymer

Description

LOTRYL[®] 20MA08 is a random copolymer of ethylene and methyl acrylate produced by high-pressure radical polymerization process.

Applications

Due to the methyl acrylate content, LOTRYL[®] 20MA08 can be used for applications where softness, flexibility and polarity are required. Typical applications are extrusion coating, coextrusion and compounds.

Typical properties

Characteristics	Value	Unit	Test Method
Methyl acrylate content	18-22	% Wt	IRTF (internal)
Melt index (190°C / 2.16 kg)	7-9	g/10min	ISO 1133 / ASTM D 1238
Density (23°C)	0.94	g/cm ³	ISO 1183
Melting point	80	°C	DSC (internal)
Vicat softening point (10N)	46	°C	ISO 306 / ASTM D 1525
Tensile modulus	20	MPa	ISO 527 / ASTM D 638
Elongation at break	800	%	ISO 527 / ASTM D 638
Tensile strength at break	9	MPa	ISO 527 / ASTM D 638
Hardness Shore A	83	-	ISO 868 / ASTM D 2240

Processing

LOTRYL[®] 20MA08 can be processed with standard polyolefin equipment up to 300°C and it is recommended to purge the equipment after a run is completed. If LOTRYL[®] 20MA08 is used pure for instance with blown or cast film technology, a standard temperature settings could be:

Zone 1	Zone 2	Zone 3	Zone 4	Fittings-Channels	Die
150-170°C	170°C	170°C	170°C	170°C	170°C

Final profile and settings depend on the line and multilayer structure being run.

Storage, handling and safety

LOTRYL[®] 20MA08 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[®] 20MA08 is available upon request to your ARKEMA representative or on the web site www.lotryl.com.

August 2010

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The world is our inspiration

Technical Polymers Division
420, rue d'Estiennes d'Orves
92705 Colombes Cedex - FRANCE
www.arkema.com

www.lotryl.com