

LOTRYL[®] 29 MA 03

COPOLYMER Ethylene – Methyl Acrylate

Description

LOTRYL[®] 29 MA 03 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[®] 29 MA 03 is a polymer of choice for applications where softness, flexibility and polarity are required.

Typical characteristics

Characteristics	Value	Unit	Test Method
Methyl acrylate Content	27 - 31	% wt	IRTF (internal)
Melt index (190°C / 2,16 kg)	2.0 - 3.5	g/10mn	ASTM D 1238 / ISO 1133

Physical properties

Characteristics	Value	Unit	Test Method
Density (23°C)	0.95	g/cm ³	ISO 1183
Melting point	61	°C	DSC
Vicat softening point (10N)	< 40	°C	ASTM D 1525 / ISO 306
Flexural modulus	8	MPa	ASTM D 638 / ISO 527
Elongation at break	900	%	ASTM D 638 / ISO 527
Tensile strength at break	6	MPa	ASTM D 638 / ISO 527
Hardness Shore A	75	-	ASTM D 2240 / ISO 868
Ring & Ball temperature	175	°C	ASTM E28

Processing

LOTRYL[®] 29 MA 03 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[®] 29 MA 03 is used pure for instance with blown or cast film technology, a standard temperature settings would be: 150°C-170°C-170°C-170°C.

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

Packaging

LOTRYL[®] 29 MA 03 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).