

Lotryl® 18MA02

Ethylene Methyl Acrylate Copolymer

Arkema

Message:

LOTRYL® 18MA02 is a random copolymer of Ethylene and Methyl Acrylate produced by high-pressure radical polymerization process.

Applications

Due to the methyl acrylate content, LOTRYL® 18MA02 can be used for applications where softness, flexibility and polarity are required. Typical applications are extrusion coating, coextrusion and compounds.

General Information			
Features	Good Flexibility		
	Random Copolymer		
	Soft		
Uses	Coating Applications		
	Compounding		
Processing Method	Coextrusion		
	Compounding		
	Compounding Extrusion		
	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0 to 3.0	g/10 min	ASTM D1238, ISO 1133
Methyl Acrylate Content	17.0 to 20.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	25		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	13.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	700	%	ASTM D638, ISO 527-2
Flexural Modulus (Compression Molded)	50.0	MPa	ASTM D790, ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	53.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	83.0	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150 to 170	°C	
Cylinder Zone 2 Temp.	170	°C	

Cylinder Zone 3 Temp.	170	°C
Cylinder Zone 4 Temp.	170	°C
Die Temperature	170	°C

NOTE

1. Loading 1 (10 N)

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