

Arkema Group LOTRYL® 16 MA 003 Copolymer Ethylene - Methyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

LOTRYL® 16 MA 003 is a random copolymer of ethylene and methyl acrylate made by high-pressure radical polymerisation process. Due to the methyl acrylate content, LOTRYL® 16 MA 003 is a polymer of choice for applications where softness, flexibility and polarity are required. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTRYL-16-MA-003-Copolymer-Ethylene-Methyl-Acrylate.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc @Temperature 23.0 °C	0.0340 lb/in ³ @Temperature 73.4 °F	ISO 1183
Methyl Acrylate Content	14 - 18 %	14 - 18 %	IRTF (internal)
Melt Index of Compound	0.25 - 0.35 g/10 min @Load 2.16 kg, Temperature 190 °C	0.25 - 0.35 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	35	35	ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	650 %	650 %	ASTM D638
Flexural Modulus	0.0600 GPa	8.70 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	88.0 °C	190 °F	DSC
Vicat Softening Point	64.0 °C @Load 1.02 kg	147 °F @Load 2.25 lb	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	<= 300 °C	<= 572 °F	

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