

Arkema Group LOTRYL® 14 MGC 02 Copolymer Ethylene - Methyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

LOTRYL® 14 MGC 02 is a random copolymer of ethylene and methyl acrylate made by high-pressure radical polymerisation process. Due to the Methyl Acrylate content, LOTRYL® 14 MGC 02 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-14-MGC-02-Copolymer-Ethylene-Methyl-Acrylate.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc @Temperature 23.0 °C	0.0340 lb/in³ @Temperature 73.4 °F	ISO 1183
Methyl Acrylate Content	12 - 15 %	12 - 15 %	IRTF (internal)
Melt Index of Compound	2.0 - 3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 - 3.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	93	93	ASTM D2240
Hardness, Shore D	30	30	ASTM D2240
Tensile Strength at Break	15.0 MPa	2180 psi	ASTM D638
Elongation at Break	800 %	800 %	ASTM D638
Flexural Modulus	0.0770 GPa	11.2 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	92.0 °C	198 °F	DSC
Vicat Softening Point	65.0 °C @Load 1.02 kg	149 °F @Load 2.25 lb	ASTM D1525

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

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