

Arkema Group LOTRYL® 37 EH 175 Copolymer Ethylene - 2-Ethylhexyl Acrylate

Category : Polymer , Thermoplastic , Ethylene Acrylic Acid

Material Notes:

LOTRYL® 37EH175 is a random copolymer of Ethylene and 2-Ethylhexyl Acrylate, prepared by the high pressure polymerization process.

LOTRYL® 37EH175 is particularly recommended for the formulation of hot melt adhesives. Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-LOTRYL-37-EH-175-Copolymer-Ethylene-2-Ethylhexyl-Acrylate.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc @Temperature 23.0 °C	0.0329 lb/in³ @Temperature 73.4 °F	ISO 1183
Melt Index of Compound	150 - 200 g/10 min @Load 2.16 kg, Temperature 190 °C	150 - 200 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	ASTM D2240
Tensile Strength at Break	2.00 MPa	290 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Flexural Modulus	0.00500 GPa	0.725 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	73.0 °C	163 °F	DSC
Vicat Softening Point	<= 40.0 °C @Load 1.02 kg	<= 104 °F @Load 2.25 lb	ASTM D1525

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

Descriptive Properties	Value	Comments
2-Ethylhexyl Acrylate Content (%)	35-39	IRTF (internal)

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