

Evonik CYRO MHOROMER® AM 105L Isobutyl Methacrylate

Category : Polymer , Thermoset , Methacrylate

Material Notes:

Application: Polymerization and copolymerization in emulsion and solution. Used in the lacquer, leather, paper and textile industries. Base material for coatings and adhesives. Used in oil additives and dental products. Appearance: Clear and colorless liquid Odor: Ester-like CAS: 97-86-9 Information Provided by Evonik CYRO

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-CYRO-MHOROMER-AM-105L-Isobutyl-Methacrylate.php

Physical Properties	Metric	English	Comments
Density	0.888 g/cc	0.0321 lb/in ³	
Viscosity	0.90 cP @Temperature 20.0 °C	0.90 cP @Temperature 68.0 °F	
Molecular Weight	142.2 g/mol	142.2 g/mol	
Vapor Pressure	0.00400 bar @Temperature 20.0 °C	3.00 torr @Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Boiling Point	155 °C @Pressure 0.1013 MPa	311 °F @Pressure 14.69 psi	
Flash Point	43.0 °C	109 °F	DIN 51755

Optical Properties	Metric	English	Comments
Refractive Index	1.42 @Temperature 20.0 °C	1.42 @Temperature 68.0 °F	

Chemical Properties	Metric	English	Comments
Acid Value	<= 0.0050	<= 0.0050	Rohm Method: M4 (acid-base titr., MAAC)

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.050 %	<= 0.050 %	Rohm Method: M3 (according to K. Fischer)

Descriptive Properties	Value	Comments
Color	max. 5	Rohm Method: M5 (Pt-Co)

Descriptive Properties	Value	Comments
Degree of Purity (%)	min. 99.5	Rohm Method: M2-14 (GC)
Heat of Polymerization (kJ/mol)	59.9	
MEHQ	8-20	ppm, Rohm Method: M1-1 (HPLC), MEHQ
Solidification Point (°C)	-37	
Solubility (%)	0.2	ester in water
	0.5	water in ester

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