

Evonik CYRO MHOROMER® BM 903 2-Hydroxyethyl Methacrylate

Category : Polymer , Thermoset , Methacrylate

Material Notes:

Application: Adhesion promoter for polymers. Thermosetting paints. Hydrophilic polymers. Light-curing polymer systems. Appearance:

Clear, colorless liquid. Odor: Ester-like CAS: 868-77-9 Information Provided by Evonik CYRO

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-CYRO-MHOROMER-BM-903-2-Hydroxyethyl-Methacrylate.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	
Viscosity	5.0 cP @Temperature 30.0 °C	5.0 cP @Temperature 86.0 °F	
Molecular Weight	130.1 g/mol	130.1 g/mol	
Vapor Pressure	0.000100 bar @Temperature 20.0 °C	0.0750 torr @Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Boiling Point	250 °C @Pressure 0.1013 MPa	482 °F @Pressure 14.69 psi	
Flash Point	101 °C	214 °F	DIN 51758

Optical Properties	Metric	English	Comments
Refractive Index	1.453 @Temperature 20.0 °C	1.453 @Temperature 68.0 °F	

Chemical Properties	Metric	English	Comments
Acid Value	<= 1.5	<= 1.5	Rohm Method: M4 (acid-base titr., MAAC)

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	Rohm Method: M3 (according to K. Fischer)

Descriptive Properties	Value	Comments
Color	max. 30	Rohm Method: M5 (Pt-Co)

Degree of Purity (%) Descriptive Properties	min. 97 Value	Rohm Method: M2-8 (GC) Comments
Ethyleneglycol dimethacrylate (%)	max. 0.2	Rohm Method: M2-8 (GC)
Heat of Polymerization (kJ/mol)	50	
MEHQ	180-220	ppm, Rohm Method: M1-1 (HPLC), MEHQ
Polyethyleneglycol monomethacrylates (%)	max. 1.3	Rohm Method: M2-8 (GC)
Solidification Point (°C)	below -60	
Solubility (%)	miscible with water in any ratio	

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