

Evonik CYRO MHOROMER® BM 955 Hydroxypropyl Methacrylate

Category : Polymer , Thermoset , Methacrylate

Material Notes:

Application: Thermosetting paint resins. Hydrophilic polymers. Appearance: Clear, colorless liquid. Odor: Ester-like CAS: 27813-02-

Information Provided by Evonik CYRO

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-CYRO-MHOROMER-BM-955-Hydroxypropyl-Methacrylate.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	
Viscosity	6.2 cP @Temperature 30.0 °C	6.2 cP @Temperature 86.0 °F	
Molecular Weight	144.2 g/mol	144.2 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	240 °C @Pressure 0.1013 MPa	464 °F @Pressure 14.69 psi	
Flash Point	101 °C	214 °F	DIN 51758

Optical Properties	Metric	English	Comments
Refractive Index	1.448 @Temperature 20.0 °C	1.448 @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: M2-9 (GC) Comments
Heat of Polymerization (kJ/mol)	50.7	
MEHQ	180-220	ppm, Rohm Method: M1-1 (HPLC), MEHQ
Polyethyleneglycol dimethacrylate (%)	max. 0.1	Rohm Method: M2-9 (GC)
Polyethyleneglycol monomethacrylates (%)	max. 1.3	Rohm Method: M2-9 (GC)
Solidification Point (°C)	-58	
Solubility (%)	10.7	ester in water
	21	water in ester

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