

## Evonik CYRO MHOROMER® AM 103H N-Butyl 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: 97-88-1 Information Provided by Evonik CYRO

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-CYRO-MHOROMER-AM-103H-N-Butyl-Methacrylate.php](http://www.lookpolymers.com/polymer_Evonik-CYRO-MHOROMER-AM-103H-N-Butyl-Methacrylate.php)

Physical Properties	Metric	English	Comments
Density	0.896 g/cc	0.0324 lb/in <sup>3</sup>	
Viscosity	1.09 cP @Temperature 20.0 °C	1.09 cP @Temperature 68.0 °F	
Molecular Weight	142.2 g/mol	142.2 g/mol	
Vapor Pressure	0.00270 bar @Temperature 20.0 °C	2.03 torr @Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Boiling Point	163.5 °C @Pressure 0.1013 MPa	326.3 °F @Pressure 14.69 psi	
Flash Point	46.0 °C	115 °F	DIN 51755

Optical Properties	Metric	English	Comments
Refractive Index	1.424 @Temperature 20.0 °C	1.424 @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: M2-12 (GC)
Heat of Polymerization (kJ/mol)	57.4	
MEHQ	90-110	ppm, Rohm Method: M1-1 (HPLC), MEHQ
Solidification Point (°C)	-75	
Solubility (%)	0.51	water in ester
	0.58	ester in water

## Contact Songhan Plastic Technology Co.,Ltd.

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