

**Novichem Co.**

Your Chemical Partner

P.O. Box: 15886-13941, Tehran / IR

Phone : +98-21-88329799 (Hunting)

Fax : +98-21-88329799

E-mail : info@novichem.co

Web : www.novichem.co

**MONOETHYLENE GLYCOL**

**CAS #: 107-21-1**

**DESCRIPTION**

**Monoethylene Glycol (MEG)** is a colorless, virtually odorless and slightly viscous liquid. It is miscible with water, alcohols, aldehydes and many organic compounds.

**MEG** will not dissolve rubber, cellulose acetate or heavy vegetable and petroleum oils.

**TECHNICAL SPECIFICATIONS**

Characteristic	Method	Unit	Value
PURITY	ASTM E – 202	WT. %	99.8 MIN.
DIETHYLENE GLYCOL	ASTM E – 202	WT. %	0.08 MAX.
WATER CONTENT	ASTM E – 203	WT. %	0.08 MAX.
ACIDITY AS ACETIC ACID	ASTM D – 1613	WT. PPM	10 MAX.
ASH	DC – 254A	gr/100ml	MAX. 0.005
CHLORIDES	EO - 635	WT. PPM	0.1 MAX.
IRON	ASTM E – 202	WT. %	0.01 MAX.
ALDEHYDE AS ACETALDEHYDE	DC – 163C	WT. PPM	10 MAX.
COLOR Pt-Co	ASTM D – 1209	Pt - Co	5 MAX.
SP. GR (20/20 °C)	ASTM D – 891	-	1.1151 - 1.1156
DISTILLATION @ 760MM-Hg			
IBP	ASTM D –1078	°C	196 MIN.
DP	ASTM D –1078	°C	199 MAX.
5-95 VOL % RANGE	ASTM D–1078	°C	1 MAX.

**APPLICATIONS**

**Monoethylene Glycol (MEG)** is mainly used in the production of polyester, commonly known as “PET” polyethylene terephthalate (fiber and packaging grade) and antifreeze solution.

It is an important dehydrating agent, good humectant and an industrial solvent.

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