

MONO ETHYLENE GLYCOL (MEG)

Monomer

Description

Petro Rabigh produces 600 KTA of Mono Ethylene Glycol (MEG) through the most up-to-date process and sells only in bulk quantities via Petro Rabigh Terminal. Its main uses are polyester fibers, polyester resins (PET bottles & film), antifreeze solutions, and brake and shock-absorber fluids.

Applications

- Mono Ethylene Glycol (MEG) is an important raw material for industrial applications. A main use of MEG is the manufacture of polyester resins, films and fibers. In addition, MEG is significant in the production of antifreezes coolants, aircraft anti-icer and deicers and solvent.

Properties	Unit	Test Method	Value
Visual Appearance	-	ASTM D4176	Colorless
Colour (Pt-Co)	-	ASTM D1209	5.0 Max
Purity (MEG)	wt%	ASTM E2409	99.9 Min
DEG	wt%	ASTM E2409	0.05 Max
Water	wt%	ASTM E1064	0.05 Max
Aldehyde as Formaldehyde	mg/kg	ASTM E2313	10.0 Max
Acidity as Acetic Acid	mg/kg	ASTM D1613	10.0 Max
Iron	mg/kg	ASTM E394	0.1 Max
Inorganic Chloride as Cl	mg/kg	ASTM E2469	0.5 Max
Ash	mg/kg	ASTM D482	10.0 Max
Specific Gravity (20/20 C)	-	ASTM D4052	1.1151 - 1.1156
UV Transmission at 220nm	T%	ASTM E2193	70.0 Min
UV Transmission at 275nm	T%	ASTM E2193	90.0 Min
UV Transmission at 350nm	T%	ASTM E2193	98.0 Min
Distillation IBP	°C	ASTM D1078	196.0 Min

Note: All the above are indicated values.

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Kingdom of Saudi Arabia
Petro Rabigh
Marketing & Product Development
Quality Assurance & Claim Handling Section
Tel: +966 12 425 7189
Fax: +966 12 425 8224
www.petro-rabigh.com