

Technical Data Sheet

MEG

Monoethylene Glycol

MEG obtained from the reaction of ethylene oxide and water. It is a clear, transparent and odorless liquid that can be mixed with water in any proportion.

Applications:

Polyester: Polyester fibers, threads, films and polyester resins are produced from the reaction between MONOETHYLENEGLYCOL with dibasic acids and their esters and it is used in the synthesis of PET.

Resins: MONOETHYLENEGLYCOL acts as a coalescence and anti-freezing agent in emulsified resins

Wetting and plasticizing agents: MONOETHYLENEGLYCOL can be used as wetting and plasticizing agent in the production of cellophane, glues and adhesives, textiles, printing ink, leather, cosmetics, paper and pharmaceutical products.

Coolant additives: MONOETHYLENEGLYCOL is used in industrial refrigeration circuits and internal combustion engine coolant systems with the purpose of raising the boiling point and reducing the freezing point of the solution used

It can also used in the formulation of printing ink, in the treatment of gases, in the formulation of fire-resistant hydraulic fluids, cutting oils, surface polishers, agrochemicals, extraction of solvents, manufacture of pigmented pastes and putty for walls, and in the synthesis of explosives.

Properties	Value	Units	Test Method
Purity	99.8 min	Wt%	ASTM E-202
DEG	0.08 max	Wt%	ASTM E-202
Water content	0.08 max	Wt%	ASTM E-203
Acidity as Acetic Acid	10 max	Wt.ppm	ASTM D-1613
ASH	Max 0.005	gr/100 ml	DC-254A
Chlorides	0.1 max	Wt.ppm	EO-635
Iron	0.1 max	Wt.%	ASTM E-202
Aldehyde as Acetaldehyde	10 max	Wt.ppm	DC-163C
Color Pt-Co	5 max	Pt-Co	ASTM D-1209
SP.GR (20/20 °C)	1.1151 – 1.1156	-	ASTM D-891
IBP	196 min	°c	°C
DP	199 max	°c	°C
5-95 Vol % Range	1 max	°c	°C
AT 220 nm	70 min	T%	T %
AT 275 nm	95 min	T%	T %
AT 350 nm	99 min	T%	T %