

Technical Data Sheet

Product Description

FM DEG

Diethylene glycol (DEG) is a valuable chemical intermediate used in the production of unsaturated polyester resins (UPR), plasticizers, acrylate and methacrylate resins and urethanes. DEG is used as a building block in organic synthesis, e.g. of morpholine and 1,4-dioxane. It is a solvent for nitrocellulose, resins, dyes, oils, and other organic compounds. It is a humectant for tobacco, cork, printing ink, and glue. It is also a component in brake fluid, lubricants, wallpaper strippers, artificial fog solutions.

Characteristic	Typical Value	Unit	Test Method	Preferred Method
Appearance	Colorless		Visual	Visual
Purity	min. 99.8	% (m/m)	100 - impurities	100 - impurities
MEG	max. 0.05	% (m/m)	ASTM E202	SMS 2886
TEG	max. 0.05	% (m/m)	ASTM E202	SMS 2886
Water	max. 0.05	% (m/m)	ASTM E202	ASTM E1064 / E203
Color (Pt-Co)	max. 10		ASTM E202	ASTM D1209
Specific Gravity, 20/20 °C	1.1175–1.1195		ASTM D4052	ASTM D4052
Boiling range at 0.1013 Mpa				
5% vol	min. 242	°C	ASTM E202	ASTM D1078
95% vol	max. 250	°C	ASTM E202	ASTM D1078
Acidity (as acetic acid)	max. 50	mg/kg	ASTM D1613	ASTM D1613
Ash	max. 50	mg/kg	ASTM D482	ASTM D482