

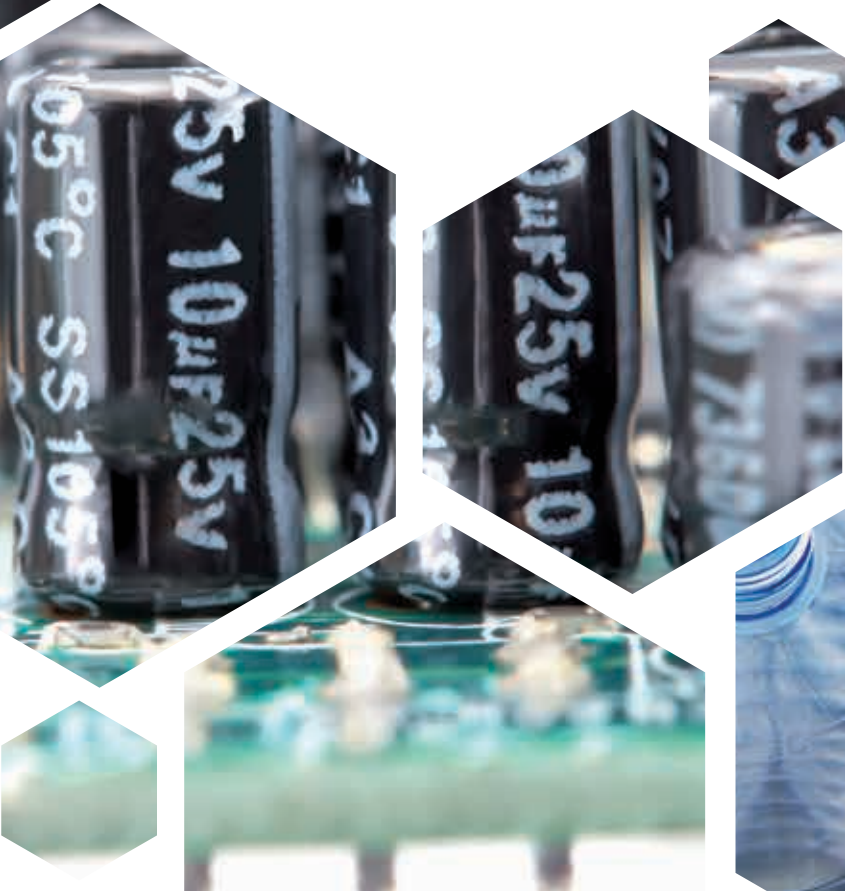


PETRONAS



ETHYLENE GLYCOLS

PETRONAS CHEMICALS GROUP BERHAD
CHEMISTRY FOR GROWTH



ETHYLENE GLYCOLS

Ethylene Glycols are clear, colourless, virtually odourless and slightly viscous liquids. It is miscible with water, alcohol and organic compounds. PCG produces Monoethylene Glycols (MEG) and Diethylene Glycols (DEG) in various grades.

PCG
Ethylene
Glycols
Plant



**PETRONAS CHEMICALS
GLYCOLS SDN. BHD.
(PCGSB)**

- Kertih, Terengganu
- 385 KMTPA Ethylene Glycols



Product Applications

APPLICATIONS	FUNCTIONS	MEG	DEG
Polyester manufacturing	Chemical intermediate	•	
Textile fibres, adhesives & glue	Humectant	•	•
Chiller	Coolant & heater transfer agent	•	•
Brake fluid	Viscosity enhancer		•
Polyurethane adhesive	Chemical intermediate	•	•
Natural gas processing	Hydrate inhibitor	•	
Esters for cosmetics	Chemical intermediate	•	•
Capacitor manufacturing	Low conductivity fluid	•	
Latex paints	Stabiliser	•	•
Printing inks	Humectant	•	•
Sawdust binders	Chemical intermediate	•	
Aluminium & magnesium casting (foundry moulding)	Moisture control agent		•
Pesticides	Inert ingredient	•	•

Product Specifications

COMPONENTS	UNITS	MEG	LFG 90	LFG 95	INDUSTRIAL GRADES	IRON & CHLORINE FREE	DEG
Ethylene Glycols	% Weight	99.9 min	90 max	95 max	99.9 min	99.9 min	-
Diethylene Glycols	% Weight	0.04 max	-	-	0.10 max	0.10 max	99 min
Acidity	% Weight	0.002 max	-	-	0.002 max	0.005 max	0.005 max
Water	% Weight	0.040 max	-	-	0.10 max	0.10 max	0.20 max
Colour	Pt-Co	5 max	10 max	10 max	10 max	10 max	-
Iron	ppm	0.05 max	-	-	1.00 max	0.10 max	-
Chlorides	-	0.2 max	-	-	-	0.2 max	-
UV Transmittance 220 nm	%T	80.0 min	-	-	-	-	-
250 nm	-	90.0 min	-	-	-	-	-
275 nm	-	94.0 min	-	-	-	-	-
350 nm	-	98.0 min	-	-	-	-	-
Spec Resistivity	mmo-cm	-	-	-	-	3-10	-