

PROPYLENE OXIDE (PO)

Monomer

Description

Propylene Oxide (PO) is an extremely versatile chemical intermediate used to produce a wide range of industrial and commercial products. PO is a colorless, low-boiling and highly volatile liquid, which is highly flammable and reactive. Petro Rabigh produces 200 KTA of PO and sells only in bulk quantities via Petro Rabigh Terminal.

Applications

- Propylene Oxide is a chemical intermediate, which can be used in several industrial and commercial applications like polyol propylene glycol, which can be used in the production of polyurethane, flame retardant or synthetic lubricant.

Properties	Unit	Test Method	Value
Propylene Oxide	wt%	PRC Method	Min 99.9
Colour:(Pt-Co)	-	ASTM D1209	Max 10
Aldehydes as Propionaldehyde	wt ppm	PRC Method	Max 50
Acidity as (Acetic Acid)	wt ppm	ASTM D1613	Max 20
Water	wt ppm	ASTM D1744	Max 100
Non Volatile Matter	g/100ml	ASTM D1353	Max 0.002
Specific Gravity (20/20 C)	-	ASTM D4052	0.8290 – 0.8310

Note: All the above are indicated values.

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