



PRODUCT SPECIFICATION DATA SHEET



BOSS PROPYLENE GLYCOL

Customer Benefits:

Propylene glycol (PG or MPG) is a colorless, odorless liquid which is generally recognized as safe (GRAS) by the U.S. Food and Drug Administration (FDA). It is approved by the U.S. FDA for certain indirect food additive uses. PG is used in cosmetics and as an excipient (inert solvent or carrier) in pharmaceuticals. PG has a wide range of practical applications such as antifreezes, coolants and aircraft deicing fluids; heat transfer and hydraulic fluids; solvents; food; flavors and fragrances; cosmetics and personal care products; pharmaceuticals; chemical intermediates; plasticizers; and thermoset plastic formulations.

PERFORMANCE SPECIFICATIONS:

<u>Property and Condition</u>	<u>Limit</u>	<u>Unit</u>	<u>Method</u>
Sp. Grav. @ 20/20C	1.0375-1.0390		ASTM D4052
Sp. Grav. @ 25/25C	1.0352-1.0365		ASTM D4052

Test Requirements:

<u>Test Item and Condition</u>	<u>Limit</u>	<u>Unit</u>	<u>Method</u>
Assay calculated	99.0min	%wt	DOWM 100687
Acidity, As Acetic Acid	0.0020max	%wt	DOWM 101370
Chlorides	1.0max	ppm	In Development
Color, Pt-Co	10max		ASTMD1209
Iron	0.500max	ppm	TPO-G2A
Water Content	0.200max	%wt	ASTME203

PROPERTIES:

- Color: colorless
- Odor: Characteristic
- Appearance/Physical State: Liquid, viscous