

# PROPYLENE GLYCOL MONOMETHYL ETHER (PM)

CAS NO. 107-98-2

Product Description	Key Features	Application
<ul style="list-style-type: none"> <li>Propylene glycol methyl ether (P.M.) is an organic solvent with a wide variety of industrial and commercial uses. Similar to other glycol ethers, it is used as a carrier/solvent in printing/writing inks. It also finds use as an industrial and commercial paint stripper.</li> </ul>	<ul style="list-style-type: none"> <li>Powerful solvency</li> <li>Moderate evaporation rate</li> <li>Low viscosity</li> <li>High dilution ratio</li> <li>Low surface tension</li> <li>Coupling ability</li> <li>Wide range of applications</li> </ul>	<ul style="list-style-type: none"> <li>Solvent-based coating.</li> <li>Solvent-based gravure, flexographic and silk screen printing inks.</li> <li>Carrier solvent for ball point and felt tip writing pen inks.</li> <li>Solvent for household and industrial cleaners, rust removers, and hard surface cleaners.</li> <li>Solvent for agricultural pesticides, deactivator and emollient for livestock pesticides.</li> </ul>

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	0.02 Max	wt %	
Assay	99.5 Min	wt%	GC
Autoignition Temperature	286 (547)	°C (°F)	
Blush Resistance @ 82 °F (27.8 °C)	61	% RH	
Boiling Point @ 760 mmHg	120 (248)	°C (°F)	
Color Pt-Co	10 Max	-	
Critical Pressure	41.13	bar	
Critical Temperature	306.7	°C	
Empirical Formula	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>		
Evaporation Rate (n-butyl acetate = 1)	0.62	-	
Expansive Limits in Air			
Lower	3	vol%	
Upper	12	vol%	
Flash Point (Closed cup)	32 (90)	°C (°F)	
Freezing Point	-96 (-141)	°C (°F)	
Hansen Solubility Parameters			
Hydrogen bonding	13.6	-	
Dispersion	15.6	-	
Polar	7.2	-	
Heat of Combustion	24.7	kJ/g	
Heat of Vaporization	435	J/g	
Liquid Heat Capacity @ 25 °C	2.44	J/(g)(°C)	
Liquid Viscosity @ 25 °C	1.7	cP (mPa.s)	
Molecular Weight	90.1	-	
Refractive Index @ 25°C	1.404	-	
Solubility In water, @ 20 °C	Complete		
Specific Gravity @ 25°C/25°C	0.919	-	
Surface Tension @ 25 °C	26.5	Dynes/cm	
Vapor Density (air = 1)	3.1	-	
Vapor Pressure @ 25 °C	11.8	mmHg	
Wt/Vol @ 20 °C	0.921 (7.69)	Kg/L (lb/gal)	

## Notes

Typical properties provided are not to be construed as specifications. They are compiled from available information from the supplier and equivalent public resources.

For additional technical, sales and order assistance please contact our sales representative

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