

# PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE (PMA)

CAS NO. 108-65-6

Product Description	Key Features	Application
<ul style="list-style-type: none"> <li>P.M.A. is a photoresist solvent. A relatively fast-evaporating, moderately hydrophobic glycol ether with low viscosity and excellent properties for solvent-borne systems.</li> </ul>	<ul style="list-style-type: none"> <li>Powerful solvency</li> <li>High dilution ratio</li> <li>Moderate evaporation rate</li> <li>Viscosity control</li> </ul>	<ul style="list-style-type: none"> <li>Solvent-based coatings.</li> <li>Solvent-based silk screen printing inks.</li> <li>Solvent in coating systems e.g. PU/isocyanate and epoxy</li> </ul>

Properties	Typical Value	Unit	Test Based On
Acidity as Acetic acid	0.02 Max	wt %	
Assay	99.5 Min	wt%	
Autoignition Temperature	333 (631)	°C (°F)	
Blush Resistance @ 80 °F (26.7 °C)	92	% RH	
Boiling Point @ 760 mmHg	146 (295)	°C (°F)	
Color Pt-Co	10 Max	-	
Critical Pressure	29.7	ATM	
Critical Temperature	324.7	°C	
Empirical Formula	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>		
Evaporation Rate (n-butyl acetate = 1)	0.33	-	
Expansive Limits in Air			
Lower	1.5	vol%	
Upper	7.0	vol%	
Flash Point (Closed Cup)	42 (108)	°C (°F)	
Freezing Point	-66 (-87)	°C (°F)	
Hansen Solubility Parameters			
Hydrogen bonding	6.6	-	
Nonpolar	16.1	-	
Polar	6.1	-	
Total	9.2	-	
Heat of Combustion	23.8	kJ/g	
Heat of Vaporization	296	J/g	
Liquid Heat Capacity @ 25 °C	1.85	J/g/°C	
Liquid Viscosity @ 25 °C	0.8	cP (mPa.s)	
Molecular Weight	132.16	-	
Refractive Index @ 20°C	1.40	-	
Solubility			
In water, @ 20 °C	16	wt %	
Water in, @ 20 °C	3	wt %	
Specific Gravity @ 20°C/20°C	0.964	-	
Surface Tension @ 25 °C	26.9	Dynes/cm	
Vapor Density (air = 1)	4.6	-	
Vapor Pressure @ 20 °C	2.8	mmHg	
Wt/Vol @ 20 °C	0.967 (8.07)	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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