

# MMA (Methylmethacrylate)

## Specification

Item	Unit	Spec
Purity	wt %	99.8 Min.
Color (APHA)	-	5 Max.
Water	ppm	500 Max.
Acid (as MAA)	ppm	50 Max.
Inhibitor (Topanol-A)	ppm	5 ± 1

\* Topanol-A : 2,4-dimethyl-6-tert-butylphenol

## Properties

Properties	Unit	Value
Molecular weight	g/mol	100.12
Chemical formula	-	$\text{CH}_2=\text{C}(\text{CH}_3)\text{COOCH}_3$
Specific gravity	$\text{g/cm}^3$	0.943
Boiling point	°C	100.3
Freezing point	°C	-48.2
Heat of polymerization	kcal/kg	137.3
Solubility (water)	g/L	15
Flash point (closed cup)	°C	10
Auto-ignition point	°C	421
Limits of flammability	vol %	2.12 ~ 12.5
Homopolymer Tg	°C	105

REMARKS : The listed values should be used for reference purpose only.