

MAA (Methacrylic acid)

Specification

Item	Unit	Spec.
Purity	wt %	99.5 Min.
Color (APHA)	-	20 Max.
Water	ppm	500 Max.
Inhibitor (MEHQ)	ppm	200 ± 20

* MEHQ : hydroquinone monomethyl ether

Properties

Item	Unit	Value
Molecular weight	g/mol	86.09
Chemical formula	-	$\text{CH}_2=\text{C}(\text{CH}_3)\text{COOH}$
Specific gravity at 20°C	g/cm ³	1.014
Boiling point	°C	161
Freezing point	°C	15
Heat of polymerization	kcal/kg	184
Solubility (water)	g/100g	total miscible above 16°C
Flash point (closed cup)	°C	67
Flash point (open cup)	°C	77
Auto-ignition point	°C	435
Limits of flammability	vol %	1.6 ~ 8.7
Viscosity	cP	1.25 at 25°C

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