



TRIMETHYLOLPROPANE

Technical Data Sheet

Synonyms: 1,1,1-tris(hydroxymethyl)propane, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol

English Abbre.: TMP

Cas RN: 77-99-6

Hygroscopicity: Strong ability to absorb moisture while exposed to atmosphere

Solubility: Easily soluble in water and acetone, soluble in carbon tetrachloride, chloroform and aether, insoluble in fatty hydrocarbon and aromatic hydrocarbon.

SPECIFICATION:

Product Name	Trimethylolpropane (TMP)		
Molecular formula	C ₆ H ₁₄ O ₃	Structural formula	$ \begin{array}{c} \text{CH}_2\text{-OH} \\ \\ \text{CH}_3\text{-CH}_2\text{-C-CH}_2\text{-OH} \\ \\ \text{CH}_2\text{-OH} \end{array} $
Molecular weight	134.18		
Main Indicators	Hydroxyl,w/%		≥37.5
	Crystallization point °C		≥59
	Water content %		≤0.1
	Color(Pt-Co)		≤20
	Purity%		≥99
	25Kg bag, 500Kg bag		
Application	This product mainly used as the raw material of alkyd resins, polyurethane and saturated polyesters. TMP is also used for rosin esters, PVC stabilizer and explosives.		
Shelf life	12 Months		