

Tradename Solubility in Water Report

Tradename: Walocel MT 10000-GO and MT 10000-PV

Chemical: Hydroxyethyl Methylcellulose

Grade	Technical
Form	Powder or Granule
Molecular Weight (Mw)	1.4000 MM
Molecular Weight (Mn)	0.1100 MM
Ionic Character	Nonionic
Degree of Substitution	1.80 - 2.00
Molar Substitution	0.18 - 0.22

Solubility in Water Soluble in cold and warm H2O

Insolubility Cause Viscosity, Solute, or Temperature

Insolubility Type Gelation

Insolubility Due to Temperature

Phase Separation on Heating
 Insolubility Temp at 2.0 wt % Conc 70 C

Additives Affecting Insolubility Temp	Insol Temp	Additive
Additive	Change C	wt %

Magnesium Chloride	-	
Propylene Glycol, Major Consumer	+	
Sodium Chloride	+	
Sucrose	-	

Insolubility Due to Solute

Precipitation Additives	Threshld
Additive	Conc wt %

Aluminum Sulfate	
Magnesium Chloride	
Sodium Carbonate	
Sodium Sulfate	
Sodium Chloride	
Sucrose	