



لصناعة الكيماويات والمنظفات الصناعية

TECHNICAL DATA SHEET

PRODUCT Information :

Chemical Name : Hydroxy propyl methyl cellulose
Trade Name : Tylose
CAS # : 9004-65-3
Formula : C₃H₇O *
Molecular Weight : 59.08708
SPECIFICATION

Item	SPECIFICATION
APPEARANCE	White to slightly off-white fibrous or granular powder.
METHOXY (Wt %)	19.0-24.0
HYDROXYPROPOXY (Wt%)	4.0-12.0
GELING TEMPERTURE	70-90
Moisture (Wt %)	5.0 max
Bulk density	350-550 Kg/m ³
Viscosity (m.Pa.s) for solution 2 % by Brookfield RVT @ 20 C, 4 RPM	190000-200,000
Thickening Time	About 5 min
Dispersing Time	≤30 sec
PH (2% solution at 20 °C)	5.5-7.5
ASH(Wt%)	5max
Light Transmittance	>80
Particle size	92% pass min 80mesh



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APPLICATION:

HPMC is thickener for detergents with properties of thickening, foam stabilization, decontamination, emulsification and dispersion. it is compatible with other detergent aids and has extensive applicability to liquid detergent , shower gel , liquid soap , laundry detergent and other products .

Property:

Can be fast dispersed into cold water under continuous mixing conditions and within short time it can build up the required solution viscosity through the formation of hydrated colloid polymer network .

Characteristics:

- Rapid dispersing and dissolving in cool water without lumping, fast speed of viscosity setting up as required .
- Super thickening effect , also applicable for formulation systems which will be difficult by many other thickeners .
- Good synergistic thickening effect with NACL and can be applied to various surfactant system .
- Excellent emulsification and suspension functions and improvement of stability of oil phase in detergent .
- Macro molecular structure with good effect of foam stabilization .
- High gelation temperature with good gelation resistance .
- High transparency .
- Good anti-enzyme ability , good storage stability in powder and liquid form .
- As inert metabolite with physiological inequity , this product is safe and nontoxic to human body .



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PACKAGING :

25 kg bags

STORAGE:

Store in cool and dry place.

Shelf time

At least 2 years under cool and dry condition . For material storage after shelf life , quality confirmation test should be done before use .