

What is methyl cellulose

Detail Introduction :

Methyl cellulose is a chemical component with good properties, such as wettability, cohesiveness, dispersibility, thickening and water retention. Let's understand what is methyl cellulose?

Methylcellulose is a cellulose methyl ether. White or light yellow or light gray small particles, filamentous powder. It is odorless and tasteless, and about 27%~32% of the hydroxyl groups exist in the form of methoxy groups.

Different grades of methylcellulose have different degrees of polymerization, ranging from 50 to 1,000,000. Their molecular weight (average number) ranges from 10,000 to 220,000 Da, and the degree of substitution is defined as the average number of methoxyl groups, methoxyl The radical is attached to each anhydroglucopyranose unit in the chain.

It is widely used in medicine. After being treated with hydroxypropylmethyl in ophthalmology, its chemical structure is more stable and its water solubility is better. It is characterized by flexibility, flexibility and transparency after film formation. .

Methylcellulose is used as a thickener for water-soluble adhesives, such as neoprene latex.

Methyl cellulose can also be used as a dispersant, emulsifier and stabilizer for suspension polymerization of vinyl chloride and styrene. MC with DS=2.4 2.7 is soluble in polar organic solvent, which can prevent the volatilization of solvent (dichloromethane-ethanol mixture).

The above is what is methyl cellulose, I hope it can help you in the sorting of what is methyl cellulose, above content can be viewed when necessary.