

## Textile grade CMC

Textile grade CMC Sodium carboxymethyl cellulose is used in textile industry as sizing agent, thickening agent of printing and dyeing pulp, textile printing and stiffening finishing. Used in sizing agent can improve solubility and viscosity, and easy desizing; As a stiffening finishing agent, its dosage is more than 95%; When used as sizing agent, the strength and flexibility of sizing film are improved obviously. The results show that when the concentration of CMC solution is about 1%(W/V), the chromatographic performance of the prepared thin layer plate is better. At the same time, the thin layer plate coated under the optimized conditions has appropriate layer strength, which is suitable for various sample adding technologies and convenient for operation. CMC has adhesion to most fibers and can improve the bond between fibers. Its stable viscosity ensures the uniformity of sizing, thus improving the efficiency of weaving. Can also be used in textile finishing agent, especially anti-wrinkle finishing, to bring durability changes.

Textile grade CMC can improve the yield and strength in textile spinning process. Used for textile printing and dyeing, as a suspending agent of raw materials, improve bond rate and printing quality, recommended for spinning 0.3-1.5%, 0.5-2.0% for printing and dyeing.

### Typical properties

Appearance	White to off-white powder
Particle size	95% pass 80 mesh
Degree of substitution	1.0-1.5
PH value	6.0~8.5
Purity (%)	97min

### Popular grades

Application	Typical grade	Viscosity (Brookfield, LV, 2%Soln)	Viscosity (Brookfield LV, mPa.s, 1%Soln)	Degree of Substitution	Purity
CMC for textile and dyeing	CMC TD5000		5000-6000	1.0-1.5	97%min
	CMC TD6000		6000-7000	1.0-1.5	97%min
	CMC TD7000		7000-7500	1.0-1.5	97%min

## Application of CMC in textile industry

### 1. Textile sizing

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Using CMC as a substitute for grain sizing can make warp surface smooth, wear-resistant and soft, thus improving the production capacity of loom. The warp yarn and cotton cloth are light in texture, not easy to deteriorate and mildew, easy to preserve, because CMC sizing rate is lower than grain, so there is no desizing in cotton printing and dyeing.

### **2. Textile printing and dyeing**

CMC for printing and dyeing is not easy to react with reactive dyes. Good pasting rate, stable storage; High viscosity structure, good water holding capacity, suitable for round screen, flat screen and manual printing; With good rheology, it is more suitable for fine pattern printing of hydrophilic fiber textiles than sodium alginate, and the actual printing effect is comparable to that of sodium alginate. It can be used in printing paste instead of sodium alginate or combined with sodium alginate.

### **Packaging:**

Textile grade CMC Product is packed in three layer paper bag with inner polyethylene bag reinforced , net weight is 25kg per bag.

12MT/20'FCL (with Pallet)

15MT/20'FCL (without Pallet)