

## Sodium Carboxymethyl Cellulose Textile Grade Technical Data Sheet

### Main Specification

| PARAMETER                    | SPECIFICATION | SPECIFICATION | SPECIFICATION |
|------------------------------|---------------|---------------|---------------|
| Product Grade                | HV-1          | HV-2          | HV-3          |
| Purity                       | 72            | 72            | 90            |
| Viscosity(2% solution)       | 300-600 mpa.s | 800-1200mpa.s | 800-1200mpa.s |
| Moisture                     | 10%max        | 10%max        | 10%max        |
| Degree of substitution (D.S) | 0.65%min      | 0.65%min      | 0.8%min       |
| PH                           | 6-9           | 6-9           | 6-9           |
| chloride(NaCl)               | 15%max        | 7%max         | 1.8%max       |
| Loss on drying               | 10%max        | 10%max        | 8%max         |

### Uses

In textile industry, Sodium Carboxymethyl Cellulose can work sizing agent for the warp sizing of fabrics.

It can improve the best product & increase strength in the process of spinning. CMC can be used as printing material for dye-trimming industry and it can improve hydrophilic force and osmosis force of dye material, making dyeing more even and reducing chromatism.

The print paste of rayon fiber usually contains cleaning solvent with high boiling point, dye, water and enough thickening agents. Sodium Carboxymethyl Cellulose CMC is the thickening agent as well as the emulsifying agent, so it helps to uniformly mix the dye with high boiling point cleaning solvent with as well as to stabilize the dye suspension and thus to prevent the occurrence of sedimentation and the formation of foam in storage.

As suspending agent of printing paste, Sodium Carboxymethyl Cellulose mainly used in printing and dyeing. It has good viscosity stability, Good distribution uniformity of DS (degree of substitution), Good fluidity of solution in the color paste system, Higher washable performance in the washing process after printing and dyeing, significantly improve the printing paste paste type, used for reactive dye printing for cotton fabrics as textile printing thickener, with a good colour yield, handle, penetration.