

PRODUCTION SPECIFICATION

NAME: Cellulose Fiber

DESCRIPTION:

Cellulose fiber is a chemical material extracted from natural wood materials. Owing to water absorption characteristic and three-dimensional structure, the water inside can be transferred to the surfaces or interfaces of friction products quickly, which makes the bond strength and surface strength significantly increased. Its wood fiber dimensional stability and thermal stability contribute to stabilizing the coefficient of friction for friction materials.

GRANULARITY (SIEVE ANALYSIS, PARTICLE SIZE)

Length of Fiber (lf): 0.65-1.8mm
 Diameter of Fiber (df): 8-12µm
 Length to Diameter Ratio (lf/df): 82-150



APPEARANCE

Shape: Needle-like fiber
 Color: Grey

PHYSICAL PROPERTIES

Specific gravity (g/cc, g/cm³): 1.4
 Bulk Density (g/cc, g/cm³): 0.125-0.16
 Oil absorption (%): 400-800 (more than 4 times the weight of the fiber itself)
 Moisture Rate (%): ≤5%
 Heat Resistance (°C): 230-260
 PH: 5.1
 Residue of Ignition: ≤0.9%
 Volatile content (%): ≤10.9%

CHEMICAL COMPOSITION

Composition	O	C	H
Rate(%wt)	52%	41%	7%

PACKAGE

10-20KG/bag, double sheet paper bags, white color

APPLICATION

Cellulose fiber widely used for manufacturing Automotive, Commercial Vehicle, Motorcycles, Trailers brake pads and Brake Linings, and Braking Elements Industrial Equipment.