

YW80CF Cellulose Fibres

WOTAI Cellulosefiber YW80CF possesses inherent characteristics of natural hydrophilicity, high strength, and high modulus. Being a natural byproduct of plant cell growth through non-artificial production processes, it imparts a remarkably strong holding power to the surface of the material.

Appearance	Powderous fibers, off-white/greyish
Average Fiber Length	250~300μm
Average Fiber Thickness	25-33 μm
Bulk Density	30-60 g/l
Ignition Residue (850°C, 4 hours)	Approximately 1 %
pH Value	6--8
Whiteness (absolute value at 460 nm)	≥ 85%
Danier (g/9000m)	2.5
Fiber Spacing (μm) (Content 0.9kg/m ³)	660
Cellulose Fiber Count	≥ 99%
Hydrophilicity	Good
Elastic Modulus (Gpa)	8.5

Features and Benefits:

Effectively Prevent the Occurrence of Concrete Shrinkage Cracks:

Due to the inherent characteristics of cellulose fibers, such as natural hydrophilicity, excellent wrapping power, substantial fiber-specific surface area, high toughness, and strength, the addition of these fibers to concrete results in the formation of water-diffused bubbles and numerous evenly distributed fine fibers. This process can effectively prevent the occurrence of cracks caused by concrete plastic shrinkage, dry shrinkage, and temperature changes.

Packaging/Storage:

15 kg per plastic bag; 15 kgs per woven bag

600 kgs per pallet 20' FCL; 720kgs per pallet 40' FCL

Store in a dry area protected from moisture.

Health and Environmental Data:

Before handling or using this product, please refer to the Safety Data Sheet for complete health, safety, and environmental information.

Dispose of waste in accordance with local, state, and federal regulations.

General references

Recipients receiving this information must exercise their own judgment as to the appropriateness of its use, and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.

