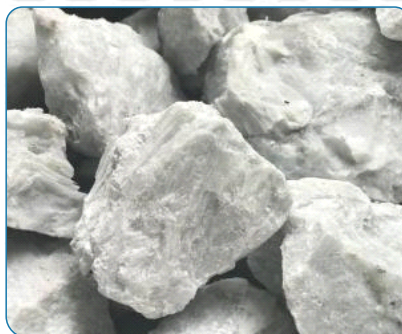


# Wollastonite Fiber

**Name: Wollastonite Fiber**

**Brand: NP Whisker**

**Application: Friction Industry**

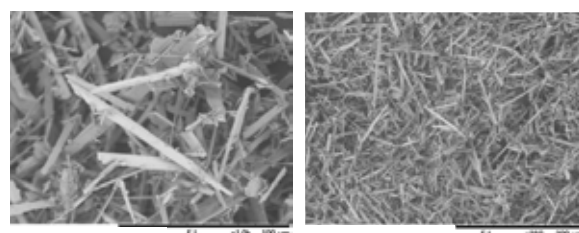


## Data Sheet

Grade	Main Component	Appearance	Microscopic shape	Whiteness (%)	Loose Density g/cm <sup>3</sup>	Tapped Density g/cm <sup>3</sup>	Moisture Content	PH	Mohs Hardness	Oil Absorption /100g	Coefficient of Expansion	Length (μm)	Diameter (μm)	L/D ratio	Melting Point °C	Particle Size D50 (μm)	Density g/cm <sup>3</sup>
NP-WS150	CaSiO <sub>3</sub> ≥90%	White powder	Needle-like or columnar fibers	82-87	0.4-0.55	1.0-1.5	≤0.05%	9-12	4.5	32-40 g/100g	6.5×10 <sup>-6</sup>	10-150 (90%)	3-10 (90%)	8:01 (90%)	1410	15-20	2.9

## Product Introduction:

Wollastonite is thin plate-like crystal of triclinic system which belongs to a chain silicate with radial or fibrous aggregation. Its special crystal structure determines the properties of non-toxic, acid & alkali resistant, low hygroscopicity & oil absorption, fine insulation, high whiteness, great thermal & dimensional stability, excellent mechanical & electrical performance. Wollastonite is further known as industrial mineral raw material with natural green, low carbon emission and energy saving.



SEM

## Application

The application of wollastonite in friction materials can enhance the stability of these materials, reduce or eliminate cracking, and significantly improve the wear resistance and heat resistance of the final product, thereby enhancing its physical and mechanical properties. Wollastonite can replace or partially replace other fibrous materials in friction products, reducing production costs and increasing the added value of the products. In the production of vitrified bonded abrasives and grinding wheels, wollastonite greatly enhances the melting rate and high-temperature shock resistance, making it suitable for use in brake pads, linings, clutches, valve plugs, pulleys, and other applications.

