# High Aspect Ratio Wollastonite Powder

This calcium inosilicate mineral (CaSiO3) features a high aspect ratio, providing reinforcement in various applications. The powder's needle-like structure improves mechanical strength, dimensional stability, and heat resistance in composite materials.

## Product Overview

### High Aspect Ratio Wollastonite Powder

This high aspect ratio wollastonite powder is a premium calcium inosilicate mineral (CaSiO3) characterized by its distinct needle-like structure. It serves as a highly effective functional filler, significantly enhancing the mechanical strength, dimensional stability, and heat resistance of composite materials. Ideal for industrial applications, it improves flexural modulus, tensile strength, and impact resistance while providing superior whiteness and opacity.

## Technical Properties

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| **Chemical Formula** | CaSiO3 |
| **Mineral Type** | Calcium Inosilicate |
| **Structure** | Needle-like (High Aspect Ratio) |

## Performance Metrics

**Optical Enhancements**

- Improved Whiteness
- Enhanced Brightness
- Increased Opacity

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|---|---|
| **Key Performance Benefits** | Reinforcing, Improved Flexural Modulus, Enhanced Tensile Strength, Impact Resistance, Dimensional Stability, Heat Resistance |

## Applications

**Primary Applications**

Plastics • Coatings • Ceramics • Construction Materials


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