

# B-103

## Product Information

### Product Description

JIUTA has developed the nylon fiber titanium dioxide B-103 with the requirements in production and application of nylon. This product has excellent dispersibility, weather resistance and preventing degradation of polyamide fibers.

**Table 1**

**Analysis and Physical Properties of B-103**

Property	Value
Classification	Anatase
Titanium dioxide, wt %	≥92.0
Sieve residue (45μm) / %	≤ 0.02
Color CIE L*	≥97.0
Color CIE b*	≤2.0
Water dispersibility/%	≥95.0
pH	6.0-9.5

**Note: All values are typical unless otherwise specified**

### Key Features:

- Excellent dispersibility
- Excellent resistance to yellowing
- Excellent resistance to chalking

### Suggestions for Use

B-103 Applicable to:

- Polyamide fiber

### Excellent dispersibility and weather resistance

The product is inorganic & organic coated with Phosphorus, Alumina and Manganese. Manganese coating enhances the product's resistance to aging, chalking, and weathering. Alumina coating further improves weather resistance and dispersion in solution.

### Stability in Polyamide Fibers

Special surface treatments enhance stability of product, reduce photocatalytic activity, and prevent photochemically induced degradation of polyamide fibers. This improves the weather resistance, yellowing resistance, and chalking resistance of textiles such as nylon.

### Package

B-103 is available in 25 kg paper bag, 500kg and 1 metric ton big bag.

### Product Storage

The shelf life of B-103 is indefinite as long as the material is kept from direct contact with moisture. For further information about this grade or to request a sample, please see the JIUTA website.