

Product Data Sheet

Anatase Titanium Dioxide A-130 - Fiber / Textile Delustering Grade

Description

Description	Anatase Titanium Dioxide A-130 is a fine, high-purity anatase grade specifically engineered for delustering synthetic fibers such as polyester, nylon and viscose. Its very fine, narrow particle size distribution and low oil absorption give consistent matte/delustered effects with minimal impact on fiber spinning performance.
Applications	Delustering of polyester, nylon and viscose fibers Synthetic textile and yarn manufacturing Fiber-grade masterbatch for man-made fiber production
Grade	Fiber/Textile Delustering Grade (A-130 equivalent)
CAS No.	13463-67-7

Key Benefits

1. Very fine, narrow particle size distribution for consistent delustering effect
2. Low oil absorption for smooth dispersion in fiber-spinning masterbatch
3. High purity (min. 99% TiO₂) minimising impurity-related spinning defects
4. Good heat stability suited to fiber spinning process temperatures
5. Established standard grade across man-made fiber producers

Chemical Analysis & Physical Data

Typical Specification

Parameter	Unit	Specification
TiO ₂ Content	wt%	Min. 99.0

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Moisture (105°C)	wt%	Max. 0.3
Oil Absorption	g/100g	Max. 20
Specific Gravity	g/cm ³	3.8 – 3.9
Average Particle Size	micron	≈ 0.20 (narrow distribution)
Heat Stability (Spinning Temp.)	–	Stable, low yellowing at typical fiber-spinning temperatures
Appearance	–	Fine white powder

Packaging

Packaging 25 kg Kraft Paper Bags (PE-lined)
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a dry, covered warehouse away from moisture
2. Keep bags sealed until point of use to prevent contamination and moisture pickup
3. Avoid stacking beyond recommended pallet heights to prevent bag damage
4. Stack on pallets, away from direct ground contact
5. Use appropriate PPE (dust mask, goggles) when handling – avoid dust generation

Quality Assurance

1. Every batch is tested against the specification above before dispatch

2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting TiO₂ content, particle size and oil absorption against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.