



**Sino-American
Pigment Systems, Inc.**
QUALITY RAW MATERIALS ■ ENVIRONMENTAL TECHNOLOGY

TITANIUM DIOXIDE – (FIBER GRADE ANATASE) PRODUCT DESCRIPTION

Description: Our fiber grade of Anatase titanium dioxide A171 is designed for delustering of polyester chips, viscose fiber, master batch and other products. It has fine particle (0.28 micron average) and narrow particle distribution. It offers high purity, water dispersibility, good filtration performance and good dispersion stability (even with the hot ethylene glycol).

Our QC program ensures that the quality will consistently meet the specifications listed below.

Applications: A171-A is suitable for polyester staple fiber, B is for viscose fiber with excellent water dispersibility and C is for master batch with good heat resistant.

Packaging: 25 KG paper bag or super sacks per request.
Palletized, shrink wrapped and suitable for high-sea shipment.

TYPICAL SPECIFICATIONS

Titanium Dioxide – Anatase Fiber Grade

Product Code:	A171			
Physical Form	Dry White Powder	A171-A	A171 - B	A171 - C
Color Index Number (C.I. #)	77891	Range	Range	Range
TiO ₂ Content	% Minimum	98	98	98
Color L	Minimum	98	98	98
a	Maximum	-0.01	-0.01	-0.01
b	Maximum	1.0	1.0	1.0
Specific Resistance (Ω .cm)	Minimum	4,000	5,500	4,000
Loss on ignition	% Maximum	0.35	0.35	0.35
Particle Diameter in um	Median	0.29	0.29	0.29
325 Mesh Residue [44 micron]	% Maximum	0.03	0.01	0.03
Water Dispersibility	% Minimum	95	97.5	97
pH	Nominal	6.5 – 7.5	6.5 – 7.5	6.5 – 7.5
Fe Content (%)	% Maximum	0.01	0.01	0.01

Updated: June 5, 2013