

Titanium Dioxide – Anatase Grade

Features of Titanium Dioxide – Anatase Grade:

- **Molecular Formula: TiO₂**
- **White powder**
- **Insoluble in water**
- **Non toxic**
- **Modified with organic compounds**
- **High whiteness, gloss, hiding power, tint reducing power and dispersibility**
- **Excellent weathering resistance and chalking resistance**
- **Gives improved reflectance values**
- **98%+ TiO₂ content**
- **Good coating properties**

OPTA MINERALS FOR ALL YOUR BLASTING ABRASIVE NEEDS:

- Aluminum Oxide
- Blackblast - Coal Slag
- Corn Cobs
- Crushed Glass
- Iron Grit
- Ebonygrit Copper Slag
- Glass Beads
- Garnet
- Stainless Steel Shot & Grit
- Super Steel Shot & Grit
- Ultrablast - Nickel Slag
- Plastic Media
- Powerblast LS - Staurolite
- Walnut Shells
- Blast Cleaning Equipment

Information Bulletin

Titanium Dioxide pigment (TiO₂) is a white powder with high opacity, brilliant whiteness, excellent covering power and resistance to color change.

These properties have made it a valuable pigment and opacifier for a broad range of application in paints, plastic goods, inks and paper. The pigment is manufactured by processing naturally occurring Titanium Rutile or Ilmenite Minerals.

Anatase is the purer form of titanium dioxide and gives outstanding opacity and colour.

ANATASE GRADE - 98 – 98.5 TiO₂ content available grades for variety of applications:

- Paints, building products, internal coatings.

Technical Data:

- TiO₂ content: ≥98.5%
- Color (compared to standard sample) L/L: ≥ 100% & Deltab ≤ 0.5%

- Tint-reducing power (compared to the standard sample): ≥ 100%
- pH 6.8-8.5
- 45um sieve residue: ≤0.05%
- Dispersion in water: 90
- Oil absorption g/100g ≤24

OPTA MINERALS has production and warehouse facilities in the following locations:

Waterdown, ON; Lachine, QC;
St-Bruno-de-Guigues, QC; Brantford, ON;
St-Germain-de-Grantham, QC; Norfolk, VA;
New Orleans, LA; Los Angeles, CA;
Hardeeville, SC; Attica, NY; Baltimore, MD;
Keeseville, NY; Walkerton, IN; Milan, MI;
Richfield, OH.

Item No.	BA01-01
TiO ₂ Content %	98.0
PH Value	6.0-8.0
Mesh Residue 45 μ m max %	0.1
Tint-Reducing Power min	100
Oil Absorption g/100g max	26
Volatile AT 105°C % max	0.5
Electrical resistance rate when absorbed by water, Ωm	1.6 x 10
Water dispersibility, % min	0.5
When treated at 23+/-2°C and when relative dampness in 50+/-5, %, ater pre-treating for 24h and when evaporation rate at 105°C is %, max	0.5