

# TITANIUM DIOXIDE

## TR-60

### Product description

|                           |  |
|---------------------------|--|
| Product                   | TR-60 is a bluish tint tone, sulphate-process, rutile Titanium Dioxide pigment.  |
| Appearance                | White powder   |
| Surface inorganic coating | Alumina  |
| Applications              | Plastic purpose, can be widely used in: Masterbatch, PVC, engineering plastics, rubber, insulation materials, thin film, flexible PVC and plastisol, polyolefin etc. |
| Product information       | Technical Specification: Standard :GB/T1706-2006, CAS No.:13463-67-7, EINECS No.:236-675-5, ISO591-1:2000:R2, ASTM D476-84: II, III, IV                              |

### Physico-chemical properties

|   |   |
|---|---|
| TiO <sub>2</sub> , content, %                                     | ≥ 95%   |
| Rutile content,%  | ≥ 99%   |
| Color CIE L*<br>a*<br>b*  | ≥ 98%<br>Min-0.9 , Max -0.3<br>Min+1.4 , Max +2.8 |
| Alumina, (Al <sub>2</sub> O <sub>3</sub> ), wt%                   | 2.6 - 3.6   |
| Amorphous Zirconia, (ZrO <sub>2</sub> ) wt%                       | 1.4 - 2.4   |
| Matter volatile at 105°C,%  | ≤ 0.5   |
| Matter soluble in water,%   | ≤ 0.5   |
| Residue on sieve 45 μm (325mesh), %                               | ≤ 0.05  |
| Specific gravity, g/cm <sup>3</sup>                               | 4.0   |
| pH value  | 6.0 - 9.0   |
| Particle size-disc centrifuge-mean diameter (D <sub>n</sub> ): μm | 0.20  |
| Particle size-light scatter-calculated mean(OD): μm               | 0.30  |
| Bulk density, kg/l (56 lbs/cu.ft.)                                | 0.9   |
| Color index   | 77891, pigment white 6                            |
| Oil absorption, g/100g  | ≤ 20  |
| Tinting strength (compared with standard sample), %               | ≥ 1800  |
| Resistivity of aqueous extract Ωm                                 | ≥ 80  |

### Storage, Safety and packing

The product is a kind of white powder which is safe, nontoxic and harmless. Keep from moisture during transport and should store in a cool, ventilated, dry place. Avoid breathing duct when handling, and wash with soap & water in case of skin contact  
25kg plastic woven bag, or as clients' requests offer 500kg/1000kg plastic woven bag.( 20ton / 20FT)