

# HITOX<sup>®</sup> STD

## Titanium Dioxide Pigment

ASTM D-476-84, Type II & III • DIN 55912 • ISO 591 Classification R2

### DESCRIPTION

HITOX<sup>®</sup>, the unique Color Pigment, is a high quality, cost effective beige colored Rutile titanium dioxide. HITOX<sup>®</sup> will reduce the amount of expensive organic and inorganic pigments as well as replace some of the expensive white titanium dioxide in selected formulations. It is commonly used in paints and coatings (architectural, industrial, metal finishes, powder coating, coil backers, primers, wood coatings and other types of solvent and water base paint), caulks, sealants, floor tiles, PVC and other plastics.

### STD

#### CHEMICAL ANALYSIS (Typical)

|                                    |           |
|------------------------------------|-----------|
| TiO <sub>2</sub> , %               | 95.00     |
| Fe <sub>2</sub> O <sub>3</sub> , % | < 2.0     |
| SiO <sub>2</sub> , %               | 1.25      |
| Al <sub>2</sub> O <sub>3</sub> , % | 0.40      |
| Loss on Ignition (L.O.I.), %       | 0.90      |
| Moisture at 110° C, %              | < 0.50    |
| pH Value                           | 6.5 – 7.5 |

#### PHYSICAL PROPERTIES (Typical)

|   |        |
|---|--------|
| Color                                       | Beige  |
| Crystal Form                                | Rutile |
| Median Particle Diameter, (µm)              | 1.5    |
| Surface Area, m <sup>2</sup> /gm            | 14     |
| Oil Absorption (g. Oil/100g)                | 24     |
| Hegman Grind                                | 7.0    |
| +325 Mesh Retention, %                      | < 0.01 |
| Specific Gravity                            | 4.1    |
| Bulk Density (Loose), lbs./ft. <sup>3</sup> | 45     |
| Bulk Density (Tap), lbs./ft. <sup>3</sup>   | 75     |

The information herein is believed to be correct and reliable; however, no warranty is given concerning the accuracy of these data, merchantability or fitness for a particular use.