



# Ti-Pure™

Select TS-6200  
Titanium Dioxide

# Grade Snapshot

## Product Information

### Product Description

Ti-Pure™ Select TS-6200 is a rutile titanium dioxide pigment manufactured by the chloride process it produces the brightest white  $\text{TiO}_2$ , and is delivered as a fine, dry powder. Delivering the next generation of durability, Ti-Pure™ Select TS-6200 is specifically designed for demanding applications that require the highest performance available. Ti-Pure™ Select TS-6200 couples an advanced silica and alumina coating technology with a proprietary surface treatment to give maximum resistance to photocatalytic degradation. The unique surface chemistry is also tailor-made for easy dispersion.

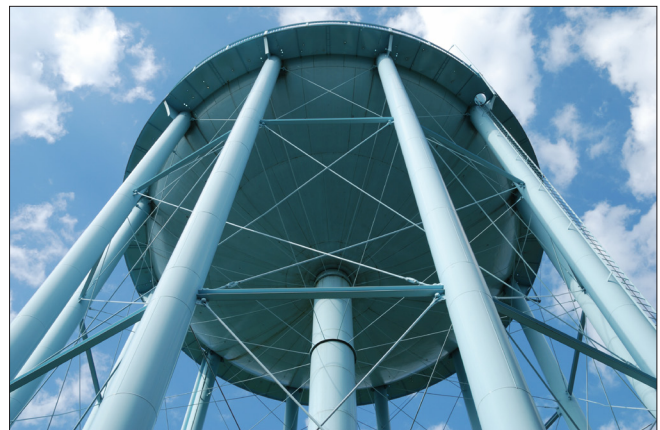
Ti-Pure™ Select TS-6200 is available in 25 kg bags and 1 metric ton semi-bulk containers.

### Key Features

- High initial haze-free gloss, and ultra-durability that ensures excellent gloss and color retention over the lifetime of the coating
- Unmatched pigment durability enables formulation flexibility which balances resins systems and additives and allows coatings producers to achieve performance requirements
- Ability to boost coating performances, which enables bright, glossy surfaces that last
- Properties that extend coating lifetimes
- Surface design that provides excellent dispersion for faster dispersion time, lower energy, or fewer grind steps

### Suggests for Use

Ti-Pure™ Select TS-6200 is frequently found in the most demanding automotive OEM topcoats and refinishes; Durable industrial coatings; Aerospace coatings; Specialty coatings requiring superior gloss and tint retention; Coil coatings.



### Coil Coatings

For construction products that require weathering resistance for long term outdoor use, Ti-Pure™ Select TS-6200 provides a unique combination of durability, gloss, high hiding, and excellent dispersion. It enables productivity improvements and energy savings in manufacture while outperforming competitive pigments in gloss and tint retention.

### Automotive OEM Topcoats and Refinishes

When manufacturers add Ti-Pure™ Select TS-6200 to their formulas, vehicles have excellent appearance and gloss and can withstand the damaging effects of UV radiation and sunlight which extends the life of the vehicle.

### Durable Industrial Coatings

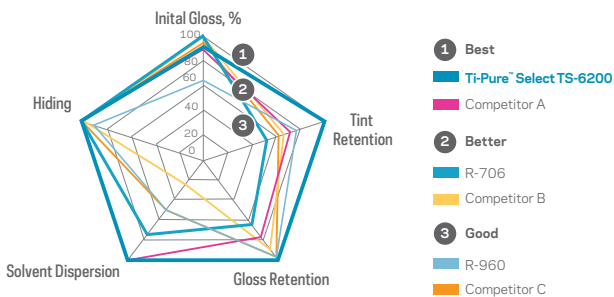
Coatings for Industrial applications provide protection from harsh environments. Ti-Pure™ Select TS-6200 provides maximum protection that extends service life and defends against UV radiation from the sunlight, which causes paint degradation, color fade, and performance loss.

**Table 1 Physical Properties**

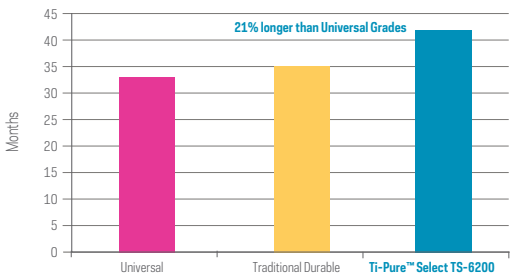
Property	Ti-Pure™ Select TS-6200
TiO <sub>2</sub> , wt%	93
Alumina, wt%	3.6
Silica, wt%	3.3
Specific Gravity	4.0
Bulking Value, L/kg (gal/lb)	0.25 (0.03)
Organic Treatment	Yes
Color CIE L*	99.4
pH	8
Carbon Black Undertone	13.0

Note: All values are typical unless otherwise specified.

**Figure 1. Ti-Pure™ Select TS-6200 Delivers Exterior Advantage**

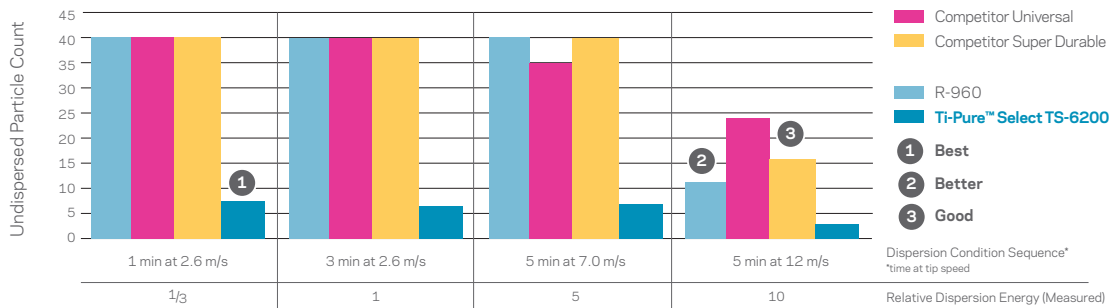


**Figure 2. Months to Equal Chalk Appearance**



Ti-Pure™ Select TS-6200 outperforms traditional durable and universal TiO<sub>2</sub> grades in chalk resistance by 17% and 21% respectively in blue tinted air-dry alkyd formula designed to measure TiO<sub>2</sub> durability performance. Coatings formulated with Ti-Pure™ Select TS-6200 will provide the longest original color retention for coatings used in exterior applications.

**Figure 3. Ti-Pure™ Select TS-6200 Disperses Easily — Saving Time and Energy**



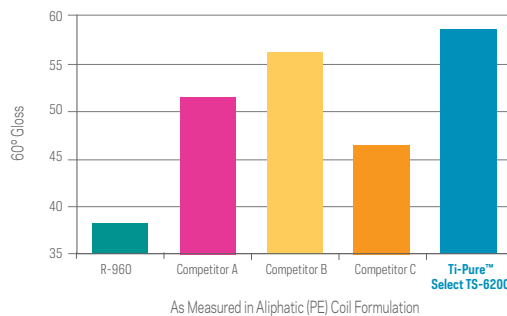
For more information, visit [tipure.com](http://tipure.com)

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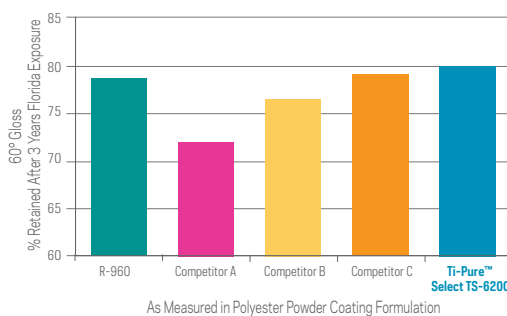
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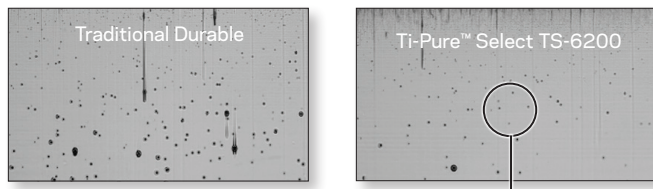
**Figure 4. Ti-Pure™ Select TS-6200 Exhibits High Initial Gloss**



**Figure 5. Ti-Pure™ Select TS-6200 Delivers Maximum Durability as measured by Gloss Retention**



**Figure 6. Ti-Pure™ Select TS-6200 — Superior Dispersion Versus Universal and Traditional Durable Pigments**



4 Times Fewer Undispersed Particles

Pigments Dispersed 15 min with a tip speed of 5.3 m/s by HSD 2" Cowles Blade, 5.3 m/s for 15 minutes 69.5% TiO<sub>2</sub> Solids as measured in a polyester coil formulation. Illustrates dispersion differences as detected by the Chemours® Optical Counter