Ti-Pure™ Select TS-6200 Titanium Dioxide

For High Performance Exterior Coating Formulations

The High Performance Exterior Advantage…

Ti-Pure® Select TS-6200 Titanium Dioxide is specifically designed for applications demanding high initial haze-free gloss and a high degree of gloss and tint retention over the life of the coating.
Ti-Pure™ Select TS-6200 the High Performance Exterior Advantage

Ti-Pure™ Select TS-6200 titanium dioxide is specifically designed for applications demanding high initial haze-free gloss and a high degree of gloss and tint retention over the life of the coating. (see figure 1 and 2) Ti-Pure™ Select TS-6200 titanium dioxide delivers a unique combination of:

- Durability
- Gloss
- High Hiding Power
- Superior Dispersion

Unique Combination of Exterior Weathering and Initial Gloss Performance

Ti-Pure™ Select TS-6200 provides exterior protection by balancing weathering and gloss (see figure 3). Ti-Pure™ Select TS-6200 consistently outperforms competitive super durable pigments in gloss and tint retention in a wide range of applications.

Figure 4 displays the chalk resistance of Ti-Pure™ Select TS-6200 relative to traditional durable and universal grades of titanium dioxide.

Figure 1: Ti-Pure™ Select TS-6200 Exhibits High Initial Gloss

Figure 2: Ti-Pure™ Select TS-6200 Delivers Maximum Durability as measured by Gloss Retention

Figure 3: Ti-Pure™ Select TS-6200 has Outstanding Performance — Balancing Gloss and Weathering

Figure 4: Ti-Pure™ Select TS-6200—Superior Color Retention Versus Universal and Traditional Durable Pigments
**Superior Dispersion**

Ti-Pure Select TS-6200 disperses easily, saving time and energy. Figure 5 demonstrates the alkyl ease of dispersion advantage of TS-6200 relative to competitive universal and super durable grades. It also highlights the opportunity for productivity improvements and energy savings from using Ti-Pure Select TS-6200.

As alkyl dispersion time and intensity are increased the dispersion condition is evaluated using a special Hegman gauge.

The results show a wide variation in how different TiO\(_2\) grades disperse following the various grind conditions. While most pigments require the highest grind intensity (5 minutes at 12 m/s) to achieve clean dispersion, Ti-Pure Select TS-6200 achieves a clean dispersion with much less time and energy.

Dispersion condition is analyzed using the Chemours Dispersion Optical Counter (DOC) which takes a digital image of the drawdown and uses proprietary protocol to measure the number of undispersed particles (see figure 6).

**High Hiding Power**

Ti-Pure Select TS-6200 provides equivalent hiding at lower film thickness as compared to traditional durable and universal pigments. Figure 7 demonstrates Ti-Pure Select TS-6200 hiding performance in a powder coating.
The High Performance Exterior Advantage

Ti-Pure® Select TS-6200 advantage for discerning customers seeking a long-lasting coating that stands up to the test of time.

Figure 8: Ti-Pure® Select TS-6200—Exterior Advantage

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