



Ti-Pure™

TS-6300 Titanium Dioxide

Product Information

Description

Ti-Pure™ TS-6300 is a specialty TiO₂ designed for mid to high quality flat (matte) architectural coatings. It provides improved dry hiding power and quality consistency in a wide range of flat architectural coatings while maintaining film integrity. TS-6300 is a highly surface treated rutile titanium dioxide pigment manufactured by the chloride process, delivering exceptional brightness and maximum hiding power.

Suggestions for Use

TS-6300 provides superior performance in flat (matte) architectural paints containing high levels of extenders and TiO₂ and formulated near or above the Critical Pigment Volume Concentration (CPVC). The TiO₂ particle size is optimized and the surface oxide treatment provides physical spacing in crowded systems, so that TiO₂ efficiency is maximized while maintaining the highest level of film integrity.

The weatherability performance of TS-6300 is adequate for many exterior architectural coatings but as this can be formula dependent, paint testing is highly recommended.

Shipping Containers

Ti-Pure™ TS-6300 is available in 25-kg paper bags and flexible intermediate bulk containers (0.65 and 0.5 metric ton). Truckload shipments may be available directly from Chemours.

Product Storage

The shelf life of Ti-Pure™ TiO₂ is indefinite as long as the material is kept in a dry location and not in direct contact with water or moisture.

Typical Properties of TS-6300

Property	TS-6300
TiO ₂ , wt%	min. 82
Specific Gravity	3.7
Bulking Value, L/kg (gal/lb)	0.27 (0.032)
Organic Treatment	No
Color CIE L*	100*
Median Particle Size**, μm	0.53
Oil Absorption	37*
pH	9*
Resistance at 30 °C (1 kohm)	6*
Carbon Black Undertone	10*

Note: All values are typical unless otherwise specified.

*Properties listed on Certificate of Analysis

**As measured by Horiba LA-300

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