



Ti-Pure™

TS-6300 Titanium Dioxide

Product Information

Description

Ti-Pure™ TS-6300 is part of the Ti-Pure™ Sustainability product series. It is a speciality TiO₂ designed to advance sustainability and resource efficiency in 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 translating to significant reduction in material usage and waste ([calculate savings here](#)). 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 that are 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 (0.5 metric ton). Truckload shipments may be available directly from Chemours.

Product Sustainability Designations:



Climate Impact



Resource Efficiency

Product Storage

The shelf life of Ti-Pure™ TS-6300 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)	8*
Carbon Black Undertone	10*

Note: All values are typical unless otherwise specified.

*Properties listed on Certificate of Analysis

**As measured by Horiba LA-300

CAUTION: Do not use or resell Chemours™ materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless agreed to by Seller in a written agreement covering such use. For further information, please contact your Chemours representative. These products may not be directly added to food, pharmaceuticals, cosmetics, or cigarette papers/filters for tobacco products.

For medical emergencies, spills, or other critical situations, call (844) 773-2436 within the United States. For those outside of the United States, call (302) 773-1000. The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Because conditions of product use are outside our control, Chemours makes no warranties, express or implied, and assumes no liability in connection with any use of this information. As with any material, evaluation of any compound under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

NO PART OF THIS MATERIAL MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF CHEMOURS.

For more information, visit www.tipure.com



© 2022 The Chemours Company FC, LLC. Ti-Pure™ and any associated logos are trademarks or copyrights of The Chemours Company FC, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.