

DuPont™ Ti-Pure® R-902+

PRODUCT INFORMATION

Product Description

Ti-Pure® R-902+ is a multipurpose rutile titanium dioxide pigment manufactured by the chloride process for both interior and exterior coatings applications. It is a fine dry powder with the following general properties.

Table 1
Analysis and Physical Properties of
Ti-Pure® R-902+

Property	R-902+
TiO ₂ , wt%, min.	93
Alumina	yes
Amorphous Silica	yes
Specific Gravity	4.0
Bulking Value, L/kg (gal/lb)	0.25 (0.03)
Organic Treatment	Yes
Color CIE L*	99.6
Median Particle Size*, μm	0.405
Oil Absorption	16.2
pH	7.9
Resistance at 30°C (86°F) (1,000 ohm)	8.1
Carbon Black Undertone	11.7

Note: All values are typical unless otherwise specified.

*as measured by Horiba LA-300

Suggestions for Use

Ti-Pure® R-902+ has an excellent balance of chalk resistance, hiding, and gloss with outstanding dispersion performance for a broad range of both exterior and interior applications. Ti-Pure® R-902+ is recommended for use in:

- architectural interior semigloss and exterior finishes
- exterior industrial finishes, except those that require the highest level of exterior durability
- powder coatings

Safety Precautions

- Titanium dioxide is classified as a nuisance dust. Follow all local regulations and DuPont recommendations for exposure limits as described in the Material Safety Data Sheet (MSDS). If the recommended exposure limits of TiO₂ are to be exceeded, NIOSH-approved air-purifying respirators with particulate filters should be used.
- As a matter of good industrial hygiene, gloves and safety glasses with side shields or better eye protection should be worn when handling TiO₂. For more details, refer to the MSDS.

First Aid

- If large amounts of TiO₂ are inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
- In case of eye contact, immediately flush with water for at least 15 minutes. Call a physician.

In case of skin contact, the compound is not likely to be hazardous, but cleaning the skin after use is advised.



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DuPont™ Ti-Pure® R-902+

Shipping Containers

Ti-Pure® R-902+ is available in 25-kg paper bags and 1 metric ton flexible intermediate bulk containers. Truckload shipments of the dry product are available directly from DuPont. Less-than-truckload volumes are available through one of the authorized DuPont distributors.

A slurry offering is available in some regions in truckload shipments (15 metric ton) and railcar (67 metric ton).

Product Storage

The shelf life of DuPont™ Ti-Pure® TiO₂ is indefinite as long as the material is kept from direct contact with moisture.

DuPont Titanium Technologies

www.titanium.dupont.com

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Product safety information is available upon request. This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own determinations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. It is the user's responsibility to determine the level of risk and the proper protective equipment needed for the user's particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any trademark or patent right.



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