

Product Data Sheet

ALTIRIS® 550

Venator's ALTIRIS® infrared reflecting pigment for colored exterior coatings and polymer systems can give a wide range of colors the power to reflect solar energy. It's a smart new technology designed to transform the world of exterior colored systems. Offering formulators the ability to maximize solar reflectance, reduce heat build and enhance durability.

Delivering high solar reflectance means ALTIRIS® pigment can help to improve the performance of your system. Weathering tests using ALTIRIS® pigment have already shown exceptional performance across a spectrum of color formulations in the most durable systems.

Typical Properties

Purity TiO ₂ [%]	> 90.0
Crystal form [% Rutile]	> 99.0
Bulk density [g/cm ³]	1.3
Al ₂ O ₃ [%]	1.0 - 3.0
SiO ₂ [%]	2.0 - 4.0
CONEG+As+Sb+Zn [ppm]	< 100
Water demand [ml/g]	26 / 100
Oil absorption [g/g]	19 / 100

No carbon is added.
This data sheet includes the typical properties of this pigment. It is not a specification, although specifications are available.

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This leaflet is a general guide to the properties of ALTIRIS® 550 pigment. More detailed information about ALTIRIS® 550 pigment is available from Venator.

Safety, Health and Environment

As for all fine powders, the handling of titanium dioxide pigments can give rise to airborne dust. Good industrial hygiene practice should be observed so as to avoid the generation and subsequent inhalation of dust. For more information refer to our material safety data sheet.

Food Contact

The subject is too wide to be adequately covered in a technical data sheet and customers should seek confirmation of compliance for each of the particular regulations they are interested in by contacting Venator.

Storage

The pigment should not be stored in outside areas exposed to the weather. All direct contact with moisture should be avoided. By storing the pigment correctly, its properties should not deteriorate with time. However to ensure optimum performance, it is recommended that the product is used on a first in, first out basis from receipt of shipment.

Packaging

Venator's ALTIRIS® infrared reflecting pigments are available in 25kg bags and a range of flexible intermediate bulk containers.

Venator does not recommend any of its titanium dioxide pigments for use in lead-stabilized, rigid PVC formulations.

You should ensure that any process you use or product you make using Venator pigment does not infringe any patent. It is Venator's policy to update this information regularly. You are therefore advised to check that this leaflet is the most up-to-date version.

All sales of products referred to in this publication are subject to the general terms and conditions of sale of Venator.

Contact Details

Venator
Titanium House, Hanzard Drive
Wynyard Park, Stockton-on-Tees
TS22 5FD, UK

Tel: +44 (0)1740 608001

Email: info@venatorcorp.com

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