

Titanium Dioxide

CHR-105

CH™ R-105 pigment is a zirconia and alumina treated rutile titanium dioxide pigment produced by the sulfate process. It is a highly durable, versatile pigment suitable for a wide range of applications.

Careful control of the TiO₂ particle size during the manufacturing process of CH™ R-105 pigment results in good brightness, high opacity and easy dispersibility.

Recommended applications:

- Industrial coatings
- Powder coatings
- External & internal architectural coatings

Key features:

- High durability
- High opacity
- Good brightness
- Good dispersibility

TYPICAL PROPERTIES

PARAMETER	VALUE	TEST METHOD
TiO ₂ content	95%	XRF
Inorganic coating	Alumina; Zirconia	-
Organic treatment	Present	-
Moisture when packed*	0.5% max	ISO 787-2
Bulk density (tamped)	1.2g/cm ³	ISO 787-11
Oil absorption	18g/100g	ISO 787-5
pH	7.0	ISO 787-9
Specific gravity	4.1 g/cm ³	ISO 787-10
ISO 591 classification	R2	-
CAS number	13463-67-7	-
Color index	Pigment White 6	-

*Measured within 48 hours of production

Safety

Good industrial hygiene practice should be used, generation of dust should be avoided. Please refer to the Safety Data Sheet for more information about how this product should be handled.

Food Contact

Customers should seek confirmation of compliance with specific regulations by contacting CH Group.

Storage

This product should not be stored outside or exposed to temperature extremes or to moisture. To ensure optimum performance, it is recommended that the product is used on a first in, first out basis from receipt of shipment.

Packaging

CH Group titanium dioxide pigments are available in 25kg bags and 500kg, 1000kg packing available at request.



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The data included in the typical properties is not a specification. The information in this data sheet is a general guide to the properties of the product described in it. Nothing in this data sheet is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the user to determine the applicability of the information and recommendations and the suitability of the products described for its own particular purpose.

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