

Product Information

Titanium Dioxide - Rutile

Product Description:

Titanium Dioxide - Rutile is a high purity fine white powder that is readily dispersible and has been obtained and purified from rutile. It has excellent durability, UV resistance, brightness, whiteness, tint strength and gloss. Titanium dioxide grades for a range of applications are available.

Applications:

Titanium dioxide is used as a white pigment or an opacifier in dry mixes, paints, plastics, rubbers, paper, textiles, inks, powder coatings, cosmetics and ceramics.

Chemical Formula:

TiO₂

CAS No. :

13463-67-7

Properties:

Parameters (units)	Typical values						
GRADES	R-818	R-2195	R-2295	R-5195	R-3395	R-2595	R-5395
APPLICATIONS	Universal use. Widely used in paints & coatings, ink, papermaking, plastics, etc.	Universal use. Widely used in paints & coatings, ink, papermaking, plastics, etc.	Universal use. Widely used in paints & coatings, ink, papermaking, plastics, etc.	Excellent hiding power. Recommended for inks, exterior coatings, matt latex paints & other high hiding systems.	Designed for plastic & masterbatch systems.	Designed for papermaking. Recommended for high lightfastness decorative paper.	Recommended for inks and coatings with good hiding power.
Al (%)	-	3.5	3.5	3.5	1.5	5.5	3.0
Si (%)	-	1.5	-	5.5	-	-	-
Zr (%)	-	-	0.5	-	-	-	-
P (%)	-	-	-	-	-	3.5	-
Specific gravity	4	4	4	4	4	4	4
Organic treatment	Yes	Yes	Yes	Yes	Yes	No	Yes
TiO ₂ (%)	94	93.5	94.5	90	97	90	95.5
Particle size (µm)	0.20 - 0.26	0.27	0.24	0.27	0.23	0.28	0.25
Oil absorption (g/100g)	22	20	21	22.8	16	21	16.5
pH	6.5 - 8.5	7.5	7.2	7.5	7.5	7.5	7.4

*% denoted represents wt/wt %, unless noted otherwise.

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Packaging:

Material is available in 25 kg bags. Further packaging options may be available upon inquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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