

Product Information

Titanium Dioxide R-818

Product Description:

Titanium Dioxide R-818 is a high purity fine white powder that is readily dispersible and has been obtained and purified from rutile and has undergone inorganic surface treatment. This product is paints and coatings grade and has excellent durability, UV resistance, brightness, whiteness, tint strength and gloss.

Applications:

Titanium Dioxide R-818 is used as a white pigment or an opacifier in dry mixes, paints, plastics, rubbers, paper, textiles, inks, powder coatings, cosmetics and ceramics. This grade is ideal for rigid PVC.

Chemical Formula:

TiO₂

CAS No. :

13463-67-7

Specifications:

Parameters (units)	Specifications
Titanium dioxide (%)	≥ 94
Volatiles at 105 °C (%)	≤ 0.8
Hydrotrope (%)	≤ 0.5
Particle size, residue on 45 µm sieve (%)	≤ 0.05
Tinting strength compared with standard (%)	≥ 112
pH value	6.5 - 8.5
Oil absorption (g/100g)	≤ 22
Resistivity of aqueous extract (Ωm)	≥ 50
Rutile crystal form conversion (%)	≥ 98.5
Average particle diameter (µm)	0.20 - 0.26

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bisleyinternational.com

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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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