

R-298 rutile titanium dioxide

R298 is a multi-purpose rutile TiO_2 pigment is known for its low oil absorption, high gloss, high tinting strength, durability, and dispersability. Produced by the Sulfate process, with a very fine particle size, it has excellent hiding power, blue tint undertone.

R298 has a zirconium and Al_2O_3 inorganic surface treatment, in combination with a special organic coating. It is well suited for both waterborn and solventborn coating, ink applications.

Applications

Architectural exterior coatings
Exterior industrial finishes
Powder coatings
Container coatings
Coli coatings
Ink

Properties

High dispersability in solvent and waterborne systems
Excellent gloss retention
High tinting strength
Bluish undertone

Product Characteristics

TiO_2 content % ----- ≥ 93.5
Brightness % ----- ≥ 95.0
Volatile at 105 °C----- ≤ 0.5
pH----- $-6.0-9.0$
Oil absorption----- ≤ 19
Residue on sieve (45 μm) ----- ≤ 0.02
Tinting strength Reynolds number----- ≥ 1920
Rutile content----- ≥ 98
Dispersibility----- ≥ 6.50
ISO591-1:2000(E)----- R2
ASTM D476-00----- V

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