

R-298 TiO2 TDS

R-298 TiO2 is a general grade rutile titanium dioxide. It is produced by sulfate process with high-quality ilmenite concentrate from Panzhihua & Xichang area. Advanced inorganic coating by aluminum and zirconium, compound organic treatment has been adopted in production. It has the advantages of excellent bluish undertone and gloss, good dispersibility, strong hiding power, and good weather resistance. It can be widely used in carpentry paint, automotive repair paint, inks, architectural paint, industrial paint, plastic profiles, etc.

Recommended Applications

- Carpentry paint
- Automotive repair paint
- Industrial paints
- Architectural coating

Technical Index

| Index Item | Standard | Typical Value |
|--|---------------|---------------|
| TiO2 content, % \geq | 91.0 | 94.5 |
| Content of rutile, % \geq | 98.0 | 98.0 |
| Brightness, % \geq | 95.0 | 95.0 |
| Whiteness (visualization, compared with standard sample) | Not less than | Not less than |
| L (dry powder) | / | 97.9 |
| L (dry powder) | / | 1.6 |
| Reducing power (Reynolds number) | 1920 | 1930 |
| Dispersibility (Hegman) \geq | 6.50 | 6.50 |
| Oil absorption, g/100g, \leq | 20 | 17 |
| Slurry PH | 6.0-9.0 | 7.3 |
| Electric resistivity, Ωm , \geq | 80 | 130 |
| Volatile at 105°C, %, \leq | 0.8 | 0.3 |
| Sieve residue (45 μm), %, \leq | 0.02 | 0.01 |
| Average particle size (nm) SEM | / | 240 |
| Inorganic treatment | ZrO2, Al2O3 | / |
| Organic treatment | Yes | / |

Packing

In 25kg, 500kg, 1000kg bags

Storage

Avoid damp and sun exposure

Chemate Technology Co.,Ltd

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Note: All information is based on data obtained from the manufacturer or recognized technical sources. The information is believed to be accurate. We make no representation or warranty, express, or implied, concerning the accuracy or sufficiency of the information. We are not liable for any damages resulting from the use of the information.

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