

R-249 TiO2 TDS

R-249 TiO2 is a plastic grade rutile titanium dioxide. It is produced by sulfate process with high-quality ilmenite concentrate from Panzhihua & Xichang area. It has the prominent particle size and distribution by precise process parameter designing and controlling. It uses special inorganic and organic coating treatments. So Pangang R-249 has excellent application performance in flexible and moderate durability plastics. It has the advantages of prominent dispersibility, excellent bluish undertone, whiteness, high temperature anti-yellowing, non-breaking during production of casting film at high temperature, etc.

Recommended Applications

- High concentration of masterbatch
- High temperature resistant plastic (such as PC, PET, ABS, etc.)
- Casting film

Technical Index

Index Item	Standard	Typical Value
TiO2 content, % \geq	96.0	96.8
Content of rutile, % \geq	96.0	98.0
Brightness, % \geq	94.5	94.8
Whiteness (visualization, compared with standard sample)	Not less than	Not less than
L (dry powder)	/	98.0
L (dry powder)	/	1.4
Reducing power (Reynolds number)	1800	1890
Dispersibility (Hegman) \geq	6.00	6.50
Oil absorption, g/100g, \leq	17	14.0
Volatile at 105°C, %, \leq	0.5	0.1
Color 320°C, $\Delta E \leq$	0.02	0.01
Average particle size (nm) SEM	/	210
Inorganic treatment	Al2O3	/
Organic treatment	Yes	/

Packing

In 25kg, 500kg, 1000kg bags

Storage

Avoid damp and sun exposure

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,

Chemate Technology Co.,Ltd

Add: NO.80 PUHUI ROAD,ZHENGZHOU CITY, HENAN PROVINCE, CHINA

URL: <https://www.chemategroup.com/pangang-titanium-dioxide/>

Email: sales@chemategroup.com

Phone: 0086-371-60921621

Whatsapp: +8618624832876

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.

Chemate Technology Co.,Ltd

Add: NO.80 PUHUI ROAD,ZHENGZHOU CITY, HENAN PROVINCE, CHINA

URL: <https://www.chemategroup.com/pangang-titanium-dioxide/>

Email: sales@chemategroup.com

Phone: 0086-371-60921621

Whatsapp: +8618624832876