

R-248 TiO₂ TDS

R-248 TiO₂ is a plastic grade of rutile TiO₂ pigment. 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 been used widely in rigid and high durability plastic fields. Pangang R-248 has the advantages of bluish undertone, good fluidity, low oil absorption and good dyeing property, etc.

Recommended Applications

- Master batch
- Multilayer co-extruded film
- Plastic pipe
- Powder paint

Technical Index

Index Item	Standard	Typical Value
TiO ₂ content, % \geq	95.0	96.5
Content of rutile, % \geq	96.0	97.0
Brightness, % \geq	94.2	94.9
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)	1850	1870
Dispersibility (Hegman) \geq	5.75	6.50
Oil absorption, g/100g, \leq	19	15
Slurry PH	6.0-9.0	7.5
Electric resistivity, Ωm , \geq	60	120
Volatile at 105°C, %, \leq	0.8	0.2
Sieve residue (45 μm), %, \leq	0.02	0.01
Average particle size (nm) SEM	/	220
Inorganic treatment	ZrO ₂ , Al ₂ O ₃	/
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

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

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