

## R-249 TiO<sub>2</sub> TDS

**R-249 TiO<sub>2</sub>** 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
TiO <sub>2</sub> 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
a (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	Al <sub>2</sub> O <sub>3</sub>	/
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,

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