

## TINOX R-2280 Rutile Titanium Dioxide

TINOX® R-2280 is a sulphate process rutile pigment specially designed for the use in plastics. It has an inorganic posttreatment, as well as a very **hydrophobic organic posttreatment**. TINOX® R-2280 has a **blue undertone** and **excellent** properties in **opacity** and **gloss**. The unique production process grants R-2280 **excellent dispersibility** in plastics, **low volatile**, **resistance at high temperatures** and **excellent processability**. TINOX® R-2280 is used in a variety of different plastics.

### ● Applications

- High concentrated Masterbatch
- Consumer electronic plastics
- Polypropylen PP
- Polystyrene PS
- ABS
- PVC

### ● Properties

- Excellent opacity and hiding power
- Excellent dispersibility
- Excellent heat resistance
- Strong blue undertone
- Excellent hydrophobic
- Extremely low volatile

### ● Product specification

TiO2 Content %	≥98.2
Rutile Content %	≥98.4
Posttreatment	Al, Si, Organic
Whiteness Index [Berger]	≥75
Yellow Index [YI-313]	≤1.60
Rel. humidity 105°C	≤0.15
Volatiles 160°C	≤ 0.35
Volatiles 300°C	≤0.60
Oil absorption [g/100g]	≤ 15
Dispersibility Hegman scale (Polyethyleneglycole)	≥7.0
Powder flowability (Ringscher method ASTM D6773)	2.1
Bulk density [kg/m3]	807
Weatherability	B
ASTM D476:2000	II
ISO 591-1:2000(E)	R1

1) Ringscher method ASTM D6773    2) Internal weathering classification. A: strong, B: good, C: moderate

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