

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]	≤ 13
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

The information is believed to be accurate. However, we make no representation or warranty, express, or implied, concerning to the accuracy or sufficiency of this information. We are not liable for any damages resulting from the use of this information.