

## TINOX R-2290 Rutile Titanium Dioxide

TINOX® R-2290 is a rutile pigment specially designed for the use in plastics. It has an inorganic posttreatment, as well as a very **hydrophobic organic posttreatment**. TINOX® R-2290 has a **blue undertone** and **excellent** properties in **opacity** and **gloss**. The unique production process grants R-2290 **excellent weatherability** in plastics, **low volatile**, **resistance at high temperatures** and **excellent processability**. TINOX® R-2290 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 weathering resistance
- Extremely low volatile

### ● Product specification

<b>TiO<sub>2</sub> Content %</b>	≥ 92.0
<b>Rutile Content %</b>	≥ 96.5
<b>Brightness CIE L*</b>	≥ 96.7
<b>Tone CIE b</b>	≤ 2.1
<b>Tinting Strength [Reynolds]</b>	≥ 2000
<b>Blue Undertone [SCX]</b>	≥ 4.4
<b>Rel. Humidity 105°C</b>	≤ 0.3
<b>Oil Absorption [g/100g]</b>	≤ 19
<b>PH</b>	6.5~8.5
<b>Sieve Residual [45µm]</b>	≤ 0.01
<b>Posttreatment</b>	Al,Si,Organic
<b>Bulk density [kg/m<sup>3</sup>]</b>	800
<b>Weatherability</b>	A
<b>CAS No.</b>	13463-67-7
<b>ASTM D476</b>	VII
<b>ISO 591-1:2000</b>	R2

1) Internal weathering classification. A: strong, B: good, C: moderate

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