

**PRODUCT DATA SHEET**

**Description:** Tiona 595 is a high performance, multipurpose chloride-process rutile titanium dioxide pigment most suited to use in applications requiring good dispersion, durability and optical properties. Tiona 595 is particularly suited for coatings applications such as PVC plastisols for wallcoverings and spread coatings for flooring where it provides high opacity and low viscosity.

**Key Features:**

- Highest opacity
- Exceptional tint strength
- Extreme whiteness
- Superior dispersibility
- High multipurpose durability

**Applications:** Tiona 595 is recommended for evaluation in:

- PVC compounds\*
  - PVC plastisols
  - Flexible PVC
- Polyolefin compounds
  - General purpose masterbatch
  - Durable applications: e.g. garden furniture, stadium seating
- Liquid colour systems

\*Tiona 595 is not designed to meet the very specific durability requirements for exterior rigid PVC compounds, and for which Tiona 168 is recommended for evaluation.

**Typical Properties:**

• TiO <sub>2</sub> content:	95%
• Surface treatment:	Alumina, zirconia, organic
• Oil absorption:	19g/100g
• pH (10% suspension):	7.5
• Specific gravity:	4.1
• Density:	34.2 lbs/gal

**Additional Information:** Tiona 595 conforms to:

- ASTM D476 - 00 (2000) Type VII
- BS EN ISO 591-1:2000 Type R2
- ECOIN: listed under EINECS number 236-675-5
- CAS number 13463-67-7
- Color Index 77891, Pigment White 6

**Regulatory Status:** Due to the wide range of applications for Tiona 595, this subject is too diverse to cover adequately in a technical datasheet. Declarations of conformity can be provided on request. Please contact your Cristal sales representative.

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