

# TiONA® 4000

## PRODUCT DATA SHEET

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**Description:** TiONA® 4000 is a high performance anatase TiO<sub>2</sub> slurry formulated for the European paper industry to provide the highest opacity and brightness in all fine paper wet end and coating applications. It is designed to be compatible at any level of hardness and pH of the water typically used in the paper industry.

- Key Features:**
- Ease and accuracy of dosing and metering compared to dry powder
  - Very low viscosity for ease of handling and pumping, enabling more efficient addition and ash content corrections
  - Excellent optical properties – color, tone and opacity
  - Compatible with other pigments (e.g. carbonates)
  - Exceptionally low coarse particle residue
  - Lower abrasivity than a rutile slurry

- Applications:** TiONA® 4000 is recommended for use in a wide variety of papers where outstanding opacity and bright whiteness is required:
- Fine papers
  - Coated sheets
  - Labels
  - Wallpaper and fleece
  - Security and banknote paper

**Notes:** When used in the paper process wet end, dilute to a maximum 35% solids with fresh water prior to addition to the papermaking furnish. Although TiONA® 4000 is compatible with other commonly used pigments, care should be taken to prevent contamination with other paper making raw materials. Storage tanks should be kept covered and mild agitation applied at regular intervals.

<b>Typical Properties:</b>	• Solids:	70%
	• Density:	2.1 kg/l
	• pH:	7.0
	• Viscosity:	700 mPa s (Brookfield RV3)

- Additional Information:** TiONA® 4000 conforms to:
- ECOIN: listed under EINECS number 236-675-5
  - CAS number 13463-67-7
  - Color Index 77891, Pigment White 6

**Regulatory Status:** TiONA® 4000 has a wide range of regulatory approvals for various applications worldwide. Please see [www.tronox.com](http://www.tronox.com) or contact your Tronox sales representative for additional information. Regulatory information requests may also be submitted at [chemprodsteward@tronox.com](mailto:chemprodsteward@tronox.com).