

TiONA® 4000

PRODUCT DATA SHEET

www.tronox.com

Description:

TiONA® 4000 is a high performance anatase TiO₂ 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

• Ease and accuracy of dosing and metering compared to dry powder

Features:

- 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 papersCoated 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.

Typical Properties:

Solids: 70%
 Density: 2.1 kg/l
 pH: 7.0

Viscosity: 700 mPa s (Brookfield RV3)

Additional

TiONA® 4000 conforms to:

Information:

• 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 or contact your Tronox sales representative for additional information. Regulatory

information requests may also be submitted at chemprodsteward@tronox.com.

TIONA® is a registered trademark in the United States and other countries around the world. Unless otherwise provided by applicable law, nothing contained in this literature shall be deemed a representation or warranty of any kind, either expressed or implied. The recommendations and suggestions given in this literature are presented for your own investigation and verification. The products of the Tronox Holding plc, its subsidiaries and affiliates ("Seller") are sold only on the basis of conforming to specifications, and subject to Seller's standard Terms and Conditions of Sale, but without warranty, expressed or implied, in law or in fact, of merchantability or fitness for a particular purpose and upon the condition that purchasers make their own tests to determine the suitability of such products for their particular purposes. Statements concerning the possible use of Seller's products or processes described are not intended as recommendations or permission to use the same in the infringement of any patent, or to practice a patented invention without a license. By reason of a lack of knowledge as to specific end uses of this product, no representation or warranty is made as to the conformance of the product with food contact laws or regulations. See the Safety Data Sheet (SDS) for this product for safety information prior to use. This document does not constitute a specification. Product specifications are available on request.