

PRODUCT DATA SHEET

Description: Tiona 188 is a blue tone chloride-process rutile titanium dioxide pigment designed for use in the highest performance masterbatch and compounds. The surface treatment has been optimized to give excellent dispersion combined with exceptionally high opacity, brightness and tinting strength. Tiona 188 is particularly recommended for high temperature and dispersion-critical thin film applications.

Key Features:

- Exceptional dispersion and processability
- High loadings
- Very low volatiles
- Resistant to lacing and die lip build-up
- High brightness
- Very high opacity
- Very high tinting strength

Applications: Tiona 188 is recommended for evaluation in:

- Color concentrate
- Polyolefins
- Styrenics
- High temperature, thin films
- Engineering polymers
- Multi-layer structures
- BOPP, BOPET
- Injection and blow molding
- Membranes and sheets
- PVC pipe (NSF)

Typical Properties:

• TiO ₂ content:	98%
• Surface treatment:	Phosphate, organic
• Specific gravity:	4.1
• Tint tone:	Blue
• Loss at 105°C:	0.15%

Additional Information: Tiona 188 conforms to:

- ASTM D476 - 00(2005)
- 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 188, 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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