

Tronox offers a portfolio of leading titanium dioxide (TiO₂) products to meet the varied needs of the plastics industry. Our market-leading TiO₂ products add significant value to plastics manufacturers by delivering exceptional performance, whiteness, brightness and opacity.

A World Leader

Tronox is a leader in titanium dioxide technology for the plastics industry. Our combined worldwide manufacturing and product development experience means that, when you specify TiO₂, you’re asking for—and getting—the very best.

Dedicated to Service

Our worldwide technical laboratories cooperate internationally to evaluate TiO₂ performance, while our technical, sales and customer service representatives provide expertise and assistance on a local basis. We offer technical support for customers using TiO₂ in all plastics systems including masterbatches and compounds, interior and exterior PVC applications and engineering resins.

TiONA® TiO₂ for Plastics

TiONA® TiO ₂ for Plastics		Polyolefins/ Masterbatch					PVC				Styrenics		Engineering Resins				Typical Properties	
		Blown Film	Cast Film	Agricultural Film	BOPP	Extrusion Coating	Injection and Blown Molding	Liquid Color	Rigid	Flexible	Styrenics	ABS	PC/PC-ABS	Nylon	Acrylic/ASA	PET/PBT	TiO ₂ Content (excluding moisture)	Surface Treatment
Semi-Durable/Interior/Exterior Chalking																		
TiONA® 834 (TF)	A product providing a crisp, blue tint tone designed to provide good optical properties and dispersibility in a wide range of applications. TiONA® 834 TF is treated with a proprietary organic treatment to better meet increasingly stringent regulatory compliance needs.	*					***	**	***	***		**	**				97%	Al, Hydrophilic Organic
TiONA® RCL-69	A blue tint tone product designed to provide excellent optical performance and dispersibility in a wide range of plastics. It is particularly recommended for for use in polyolefin masterbatch and with many polymers and compounds where weatherability is not required.	***	**		**		**	**	***	***	**	***		**			98%	Al, Hydrophobic Organic
TiONA® 288 (TF)	A product designed for use in high performance white and tinted polymer masterbatch and color concentrates.The surface treatment provides the optimum combination of high temperature performance with optical efficiency, high pigment loading and ease of dispersion. TiONA® 288 TF is treated with a proprietary organic treatment to better meet increasingly stringent regulatory compliance needs.	***	***	*	***	***	**	**	**	**	**	**		***	**	***	98%	Hydrophobic Organic
TiONA® 233	A blue-tone pigment with superior tint strength and processability, designed for plastics applications where color stability is paramount.	***	***	***	**	**	***	**	**	**	***	***		**	**		96%	Al, Hydrophobic Organic
Weatherable/Durable/Exterior/Non-chalking																		
TiONA® 822	A versatile product that balances the characteristics of outstanding weatherability, ease of dispersion, and a blue tint tone to provide high performance in demanding applications.			**					***	*							93%	Al, Sl,Hydrophilic Organic
TiONA® 826	A universal, high performance product combining superior optical properties with exceptional weatherability across a wide variety of thermoplastics and thermosets.			**	*		*	*	***	**							94%	Al, Sl,Hydrophilic Organic
TiONA® 880	A high performance product with unrivaled weathering characteristics and excellent chalk resistance. It is the product of choice for critical exterior applications such as vinyl siding and profiles.			**					***	*							91%	Al, Sl,Hydrophilic Organic
Engineering																		
TiONA® 8870	A high performance product designed to provide a combination of excellent optical properties and thermal stability in polycarbonate and polycarbonate blends.											**	***				96%	Al, Hydrophobic Organic

*** = Highly Recommended ** = Recommended * = Application Specific
Recognizing that no two formulas are identical, we recommend that you evaluate all products that are appropriate to ensure the optimum fit.



TiONA® TiO₂ for Coatings and Plastics North America



Tronox offers a portfolio of leading titanium dioxide (TiO₂) products to meet the varied needs of the coatings industries. Our market-leading TiO₂ products add significant value to coatings manufacturers by delivering exceptional performance, whiteness, brightness and opacity.

A World Leader

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Dedicated to Service

Our worldwide technical laboratories cooperate internationally to evaluate TiO₂ performance, while our technical, sales and customer service representatives provide expertise and assistance on a local basis. The products listed in this guide represent our standard offer for this region. We may have additional global offerings depending on customer requirements.

TiONA® TiO₂ for Coatings

TiONA® TiO ₂ for Coatings		Process	Slurry Available	Durability^	Decorative				Auto				Coil		Powder		Interior			Industrial Exterior			Inks		Typical Properties					
					High to Semi-Gloss	Satin to Flat	Matte	High to Semi-gloss	Satin to Flat	OEM Topcoat	OEM basecoat undercoat & primer	Refinish Topcoat	Electrocoat	Interior	Exterior	Interior	Exterior	General Industrial	Marine & Protective	Polyester Gel Coat	General Industrial	Marine & Protective	Polyester Gel Coat	Traffic and Road Markings	Electrocoat	Tinting Pastes/Colorants	Surface	Reverse	TiO ₂ Content	Surface Treatment
Multipurpose																														
TiONA® 826	A high performance, multipurpose product that provides exceptional ease of dispersion, superior optical properties and very high durability.	Chloride Rutile	Y	**	***	***	**	***	***	**	***	***	*	**	**	***	**	***	***	***	***	***	***	***	*	***	*	*	94%	Al, Si, Organic
TiONA® 828	A multi-purpose, blue tint tone product with an outstanding combination of ease of dispersion, excellent optical properties and good durability.	Chloride Rutile		*	***	***	**	***	***	*	***	*	*	***		***	**	***	*	***	***	***	***	***	*	**	**	**	95%	Al, Zr, Organic
Superdurable																														
TiONA® 880	A high performance, superdurable product with exceptional weathering and optical properties and optimum dispersibility.	Chloride Rutile		***				**	**	***		***		*	***	**	***				***	***	***	*		***			91%	Al, Si, Organic
Specialty																														
TiONA® 8140	A very heavily treated product designed to give optimum opacity and tint strength in high PVC flat emulsion paints.	Chloride Rutile	Y	*		*	***		*																		***	82%	Al, Si	
TiONA® 828E	High performance product designed specifically for electrocoat applications based on TiONA® 828 with very high specific resistance.	Chloride Rutile		*								***												***					95%	Al, Zr, Organic

*** = Highly Recommended ** = Recommended * = Application Specific

Recognizing that no two formulas are identical, we recommend that you evaluate all products that are appropriate to ensure the optimum fit.

^ This is a general characterization, please discuss your specific needs with a Tronox representative.



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This document does not constitute a specification. Product specifications are available on request.

