

NTR-601 is a rutile titanium dioxide produced by sulfate process, specially designed for plastics. With excellent dispersibility and processing flow, superior blue undertone and heat resistance, it is widely used in PE, PVC, PP, ABS, engineering plastics, pipes and masterbatches.

Typical Physical Properties

Item	Value	Test Method
TiO ₂ , %	97.0	XRF
Rutile, %	98.0	XRD
Inorganic Surface Treatment	Aluminum Oxide (dense single-Al)	-
Organic Surface Treatment	Yes (micro-polar)	-
Dry Powder Whiteness, L*	98.5	ISO 787-1
Oil Absorption, g/100g	15	ISO 787-5
Tinting Strength (Reynolds No.)	1950	ISO 787-16
Melt Flow Rate (MFR)	28 g/10min	ISO 1133
Filter Pressure Value (FPV)	0.04 bar/g	ISO 23900-5
290°C Volatile Matter, %	0.3	ISO 787-2
Specific Gravity	4.1	ISO 787-10
Heavy Metals (Pb, As, Hg, Cr ⁶⁺)	<10 ppm	ICP-OES
PBBs & PBDEs	Not present	IEC 62321

Unless otherwise specified, all values are typical values

Recommended Applications

Suitable for PE, PVC, PP, ABS, engineering plastics, pipes and masterbatches — offering high opacity, stable color and anti-yellowing performance.

Storage Conditions

Store in a cool, dry, ventilated and light-protected environment, avoiding moisture. First-in-first-out recommended. Storage period: 3 years.

Safety Precautions

NTR-601 is non-hazardous and complies with international and national standards. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Package Specifications

25kg paper bags; 500kg bulk bags; 1000kg bulk bags.

The typical performance data in this technical data sheet are for reference only and do not constitute product specification guarantees. Users should determine the suitability of the product for their specific application needs before use.