

NTR-609 is a rutile titanium dioxide produced by sulfate process, specially developed for decorative laminates paper and its printing inks. Co-developed with CAS Ningbo Institute of Materials Technology & Engineering (Patent No. ZL201110437804.4), it offers the best whiteness achievable by the sulfate process, excellent lightfastness and highest opacity, with outstanding gray-resistance and high retention in the papermaking process.

Typical Physical Properties

Item	Value	Test Method
TiO ₂ , %	88.0	XRF
Whiteness with Blue Light (R457)	99.0	ISO 787-1
ISO 591 Classification	R2	ISO 591
ASTM D476	IV	ASTM D476
Surface Treatment	P ₂ O ₅ , Al ₂ O ₃	-
Particle Size, μm	0.23	Sedigraph
pH Value	7.0 – 8.5	ISO 787-9
Isoelectric Point	6.0	Zeta potential
Specific Gravity, g/cm ³	3.9	ISO 787-10
Lightfastness (Blue Wool Scale)	6.0	ISO 105-B02
325 Mesh Sieve Residue, %	0.01	ISO 787-7

Unless otherwise specified, all values are typical values

Recommended Applications

Decorative laminates paper — HPL / CPL / LPL, wallpaper, flooring and furniture surfaces; and printing inks for decorative laminates. Outstanding lightfastness and gray-resistance in melamine-impregnated systems.

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-609 is non-hazardous and complies with international standards. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Package Specifications

25kg water-soluble paper bags; 500kg and 1000kg polyethylene 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.