



TITANIUM DIOXIDE R-2654

Product Description:

R-2654 is an aluminum inorganic and organic surface treated rutile titanium dioxide pigment with High Dispersibility & high whiteness blue undertone, low oil absorption designed to give average particle size distribution. Its design to give outstanding melt flow with highly loaded thermoplastic masterbatches. R-2654 is supplied as a fine, dry white powder.

Typical Properties

Processing Method	Sulfate
Crystal Form	Rutile
Content of $\text{TiO}_2\%$	97.3%
Inorganic & Organic Surface Treatment	Al_2O_3
Classification (ISO 591-1)	R1
Color (ISO 787-25)	ΔE 0.5
Relative Scattering Power (ISO 787-24)	95% - 105%
Density (ISO 787-10)	4.2g/cm^3

Key Features

- R-2654 is hydrophobic and low in volatiles for enhanced lacing resistance in plastic processing.
- R-2654 has excellent whiteness and blue undertone.
- R-2654 has high dispersibility and melt flow.
- R-2654 is for high quality masterbatch & color sheet.

Typical Data

$\text{TiO}_2\%$ (ISO 591-1)	97%
CIE L* (GB/T 1864-2012)	98.0
Oil Absorption (ISO 787-5)	19g/100g
Residue on 45 μm (ISO 787-18)	0.01%
Volatiles at 105°C (ISO 787-2) at packaging	0.4%
Oil dispersion (Hegman)	4.5%
Brightness %	≥ 97.5

Subject to measurements in CoA

APPLICATION

- Masterbatch
- High PVC
- Inks (Solvent Base)
- Engineer plastic

Packing: 25 kgs paper bag

Health and Safety Precautions

Relevant local health and safety guidelines should be followed. Gloves, safety goggles and respirator with submicron particle filtration should be worn. MSDS is available upon request.

Product Storage

Store the product indoors in clean and dry conditions. The shelf life of TiO_2 is 2 years if stored properly. First-in, First-out regime is highly recommended to ensure the performance of the product.

Disclaimer

The above information is offered free solely to provide possible suggestions. Given variations in actual end-use conditions, makes no warranties and assumes no liability in connection with any use of this information.

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