



Nur Chem

NUR CHEM KİMYA SAN. VE TİC. LTD. ŞTİ

TECHNICAL DATA SHEET

Titanium Dioxide Rutile NR9501

Molecular formula : TiO₂

Molecular weight : 79.9

Characters : The product is wet ground by imported mill and has good particle size distribution. The surface of product is densely coated with inorganic compounds of silicon oxide and alumina, treated organically.

Quality Standard : Q/320116 NJTB 003-2024

Version No.: 2024.06.06

Product specification

Items	Specification	Typical Analysis	Test Method
TiO ₂ content (wt%)	min. 92.0	94.4	GB/T 1706-2006-7.1
Matter volatile at 105°C (wt%)	max. 0.5	0.3	GB/T 5211.3-2020
Matter soluble in water (wt%)	max. 0.3	0.2	GB/T 5211.2-2003
Residue on sieve (45µm) (wt%)	max. 0.05	0.02	GB/T 5211.18-2015
Colour (L*)	min. 94.5	94.9	GB/T 1864-2012
Scattering power (%)	min. 100	114	GB/T 1706-2006-7.6
pH of aqueous suspension	6.5~8.5	7.6	GB/T 5211.6-2020
Oil absorption (g/100g)	max. 21	20	GB/T 5211.15-2014
Resistivity of aqueous extract(Ω·m)	min. 70	100	GB/T 5211.12-2007
Content of Rutile(%)	min. 98	99	GB/T 30793-2014

Applications: Used for PVC pipeline and profile.

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