



Product Specification Sheet

Titanium Dioxide R-492

PRODUCT INFORMATION

Product Name	Titanium Dioxide
Grade	R-492
CAS Number	13463-67-7
Molecular Weight	79.90
Molecular Formula	TiO ₂

This is an improved version of our general-purpose grade, R-192. This product is wet-ground to ensure good particle size distribution. The surface is coated with silicon dioxide, aluminum dioxide, and a special amphiphilic organic compound. The product excels in its glossiness and tinting power. It also has great weather and heat resistance, and it disperses well in water- and solvent- based systems.

SPECIFICATIONS

Assay	≥ 92.0 %
Density (g/cm ³)	4.1
Color (CIE L)	≥ 95.0 %
Average Particle Size	300nm
Volatile Matter at 105 °C	≤ 0.50%
Soluble Matter at 105 °C	≤ 0.30%
Residue on Sieve (45µm)	≤ 0.05%
Resistivity of aqueous extract	≥ 50.0 Ωm
Oil Absorption	≤ 21g/100g
Oil Dispersion	≥ 5.5 Hegmann Value
pH	6.5 – 8.5
Coating	Alumina, Silica

APPLICATIONS

Powder coatings
Inks
Indoor and outdoor paints/coatings
Latex paint

PACKAGING

25 Kg. net bags.
Other packing options are available upon request