



TECHNICAL DATA SHEET

Titanium Dioxide Rutile SHR-218

1. Description:

SHR-218 is an titanium dioxide with surface treated combined base, aluminium (Al₂O₃), diphosphorus pentoxide (P₂O₅), potassium oxide (K₂O), Silica (SiO₂) and compounds organic used to multipurpose. Preciously process control, good particle size and narrow size distribution offer it good whiteness, easily disperse, low OA, high tinting strength. It is widely used to coating (paint), printing ink, paper, plastic, leather, etc.

2. Technical Specification

Item	Value
Rutile content (%)	≥98.0
TiO ₂ content (%)	≥94.0
Whiteness compared to ST.sample	Similar
Whiteness(%)	≥95.0
A value	-0.46
B value	2.6
TCS(Reynolds numbers)	≥1900
SCX(carbon black undertone)	≥3.5
Oil Absorption (g/100g)	≤20
Volatile 105°C (%)	≤0.3
Resistivity (Ω·M)	≥50
PH Value	6.5-8.5
Residue,% (45μm screen)	≤0.01
Oil Dispersibility(Hegman's number)	≥6.5
High Speed Dispersion	≤30
Treatment	Al ₂ O ₃ .Zr ₂ O ₃ .Organic

3. Application:

Widely used for coating (paint), printing ink, paper, plastic, leather, etc.