



DCC
colourants

Dynasty Colourants Co., Ltd.

TECHNICAL DATA SHEET

Product name:	TITANIUM DIOXIDE R-2295
CAS NO.:	13463-67-7
C.I.:	C.I. PIGMENT WHITE 6
EINECS:	215-280-1
Chemical formula:	TiO ₂
Characters:	<ul style="list-style-type: none">● White color● Easy to wet and disperse● Moderate, stable color dispersing and covering● Make the white color product have moderate lightness and stable color
Process:	Rutile paint produced by sulfate process
Surface treatment:	Treat with silicon, aluminum, special organic substance covering
Standard classification(ISO 591-1):	R2
Specific gravity(ISO 787-10):	3.9g/cm ³
TiO₂ content (ISO 591-1):	≥92.5%
105°C volatile under package(ISO 787-2):	≤0.5%
Residue on sieve(45um)(ISO787-18):	≤0.05%
Rutile transformation rate:	≥97%
Soluble Substances(ISO 787-2):	≤0.5%
Whiteness of oil system(L*)Note.1:	94.8-95.3
Hue(B*) Note.1:	1.7-2.3
Relative Scattering Strength(ISO 787-24):	Close to the sample (95-105)%
Color within the color system(ISO 787-25):	Close to the sample color ΔE ≤ 0.3
PH Value of aqueous suspension(ISO 787-9):	6.0-8.5
Oil Absorption volume(ISO787-5):	≤21g/100g
Resistivity of aqueous extract(ISO787-14):	≥50Ω·M
Dispersion under high-speed mixing of Alkyd system Note2:	≤25μm
Performance and features:	Mid-range solvent coating. Interior and exterior wall latex paint, industrial coatings, multiplex printing inks, flexible printing ink. Laminated paper, plastic masterbatch, powder coating.