



Sino-American Pigment Systems, Inc.

QUALITY RAW MATERIALS ■ ENVIRONMENTAL TECHNOLOGY

TITANIUM DIOXIDE – (RUTILE) PRODUCT DESCRIPTION

Description: **R255** is an excellent general purpose grade material with organic and inorganic surface coated. This is a sulfate process material based on European production technology. It offers good hide, brightness and excellent dispersibility. Our QC program ensures that the quality will consistently meet the specifications listed below.

Applications: Suitable for aqueous and solvent based paints, plastics, paper coatings, waxing stock and rubber applications.

Packaging: 25 KG paper bag or super sacks per request. Palletized, shrink wrapped and suitable for high-sea shipment.

TYPICAL SPECIFICATIONS

Titanium Dioxide – Rutile

Product Code:	R255		
Physical Form	Dry Powder		
Color Index Number (C.I. #)	77891	Range	Typical
TiO ₂ Content	% Minimum	92.5	92.5
Whiteness	% Minimum	96.5	97.5
Specific Resistance (Ω .cm)	Minimum	9,000	12500
Hiding Power (feet ² / lb)	Minimum	174	180
Hiding Power (m ² / kg)	Minimum	35.68	36.91
Volatile at 105°C	% Maximum	0.75	0.3
Water Soluble Matter	% Maximum	0.3	0.3
Density in grams/cc	Median	4.1 - 4.3	4.3
Particle Diameter in um	Median	0.34	0.34
325 Mesh Residue [44 micron]	% Maximum	0.01	0.01
Oil Absorption in lbs/100 lbs	Nominal	20 - 24	21
Dispersibility (Hegman Fineness Grind)	Minimum	6.25	7.0
pH	Nominal	6.5 - 8.0	7.4
Gloss @ 20°	Minimum	70	85
ASTM Type D-476(84)	Define	II, III	II, III
Rutile Content	% Minimum	98.0	99.0
Zr & Al or Si & Al surface treated		Yes	Yes

Updated: November 3, 2011