



TECHNICAL DATA SHEET

HITOX[®] SF Titanium Dioxide Pigment

ASTM D-476-84, Type II & III • DIN 55912 • ISO 591 Classification R2

DESCRIPTION

HITOX SF, Super Fine Color Pigment, is a unique and cost-effective, high quality, light buff color, rutile titanium dioxide for use in non-white applications. It is primarily for use in thin film or other coating and plastic applications requiring the highest opacity, best dispersion and highest gloss characteristics. HITOX SF offers savings both in the reduction of expensive organic and inorganic pigments as well as some of the white titanium dioxide in select formulations, while maintaining the necessary gloss and opacity properties. HITOX SF is well suited for paints and coatings applications, including architectural, maintenance, metal finishes, coil backing, primers and wood coatings, caulks and sealants, floor tiles, blown film and other plastic products.

SF

CHEMICAL ANALYSIS (Typical)

TiO ₂ , %	95.00
Fe ₂ O ₃ , %	< 2.0
SiO ₂ , %	1.25
Al ₂ O ₃ , %	0.40
Loss on Ignition (L.O.I.), %	0.90
Moisture at 110° C, %	< 0.50
pH Value	7

PHYSICAL PROPERTIES (Typical)

Color	Light Buff
Crystal Form	Rutile
Median Particle Diameter, (µm)	0.45
Surface Area, m ² /gm	21
Oil Absorption (g. Oil/100g)	22
Hegman Grind	7.0 +
+325 Mesh Retention, %	0.01
Specific Gravity	4.1
Bulk Density (Loose), lbs./ft. ³	38
Bulk Density (Tap), lbs./ft. ³	61

The information herein is believed to be correct and reliable; however, no warranty is given concerning the accuracy of these data, merchantability or fitness for a particular use.