

TECHNICAL DATA SHEET

Preliminary Specification



TIOPREM[®] GRAY Titanium Dioxide Pigment

DESCRIPTION

TIOPREM GRAY is a high performance gray colored inorganic titanium dioxide pigment. TIOPREM GRAY has excellent heat stability (300°C / 572°F) therefore making it ideal for use in high temperature applications not suitable for other pigments. TIOPREM GRAY is chemically inert, non-bleeding and non-migratory, with good durability & opacity. It disperses easily on high speed equipment and is commonly used in paint & coatings, plastics, paper, and other applications.

GRAY

CHEMICAL ANALYSIS (TYPICAL)

TiO ₂ , %	91.0
Fe ₃ O ₄ (composed of FeO 1 % & Fe ₂ O ₃ 2 %), %	3
SiO ₂ , %	1.5
Al ₂ O ₃ , %	0.40
Loss on Ignition (LOI), %	2.20
Moisture at 110° C, %	< 0.5
pH Value	6.5 – 7.5

PHYSICAL ANALYSIS (TYPICAL)

Color	Gray
Crystal Form	Rutile
Median Particle Size, (µm)	0.8
Oil Absorption, g oil/100g	23 – 26
Hegman Grind	6.5 – 7.0
+325 Mesh Retention, %	< 0.01
Specific Gravity	4.0
Bulk Density (Loose), lbs/ft ³	40
Bulk Density (Tap), lbs/ft ³	69
Lbs / U.S. Gallon	33

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.