



43260 NTP-Gelb, PY 227

Color Index: C.I. Pigment Yellow 227
CAS No.: 1374645-21-2

A chromatic yellow inorganic pigment produced by high temperature calcination. This pigment has excellent UV and visible opacity, is chemically inert, heat resistant, and stable to ultraviolet light. It is non-bleeding and non-migratory. It has exceptional durability and hiding power, and is generally used in applications where resistance to heat, light, and weather are needed. It is compatible with most resin systems and polymers, and is non-warping. Typical applications (non inclusive) are plastics and other applications where equivalent pigment chemistry is valid.

Composition: Niobium, Sulfur, Tin, Zinc

Physical Properties:

Specific Gravity	5.5
Bulk Density	0.80 kg/l
Surface Area (BET)	3.5 m ² /g
Percent Moisture	0.1 Wt.-%
Mean Particle Size	0.9 µm
Conductivity	14 µS/cm
Oil Absorption	11 g / 100 g
pH Value	5.4
Sieve Residue (325 mesh)	0.01 Wt.-%
Heat Stability	320°C / 600°F
HBU (Heat Built Up)	21°C

Lightfastness: 8 (1-8)
Weatherability: 5 (1-5)

Acid Resistance: 5 (1-5)
Alkali Resistance: 5 (1-5)