

Yellow 30C152

C.I. Pigment Yellow 227
CAS # 1374645-21-2

DESCRIPTION:

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, polymers and is non-warping. Typical applications (non inclusive) are liquid and powder coatings, inks, dispersions, concrete, plastics, and other applications where equivalent pigment chemistry is used. This product is very easily dispersible and does not need small media milling for Dispersion. It can simply be processed using most laboratory and production high-shear mixing equipment to achieve full dispersion.

This material is patented under US Patent 8,192,541 and foreign patents have been applied for under WO/2011/156362, PCT/US2011/039432.

COMPOSITION: Niobium, Sulfur, Tin and Zinc

Physical/Chemical Property	Typical Value	Units	Test Method+
Specific Gravity	5.4	n/a	SCTM 312
Loose Packing (Bulk) Density	6.6 0.79	lbs./gal kg/L	SCTM 194
Surface Area (BET)	4.3	m ² /g	SCTM 153
Percent Moisture	0.1	wt. %	SCTM 248
Mean Particle Size	0.7	microns	SCTM 348
Conductivity	70	μS/cm	SCTM 142
Oil Absorption	12	parts oil/100 parts pigment	SCTM134
pH	4.3	n/a	SCTM 101
Residue 325 Mesh	0.01	wt. %	SCTM 135
Heat Stability	600 320	°F °C	Observed

+SCTM refers to Shepherd Color Testing Method

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