



TECHNICAL DATA SHEET

Orange 10P320

C.I. Pigment Yellow 216
CAS # 85536-73-8

DESCRIPTION:

An orange powder produced by high temperature calcination. This pigment has good 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 used.

COMPOSITION: Titanium, Tin and Zinc

| Physical/Chemical Property | Typical Value | Units | Test Method+ |
|----------------------------|---------------|--------------------------------|--------------|
| Specific Gravity | 4.9 | n/a | SCTM 312 |
| Loose Packing Density | 6.1 0.73 | lbs./gal kg/L | SCTM 194 |
| Surface Area (BET) | 4.4 | m ² /g | SCTM 153 |
| Percent Moisture | 0.3 | wt. % | SCTM 248 |
| Mean Particle Size | 0.9 | microns | SCTM 348 |
| Conductivity | 56 | μS/cm | SCTM 142 |
| Oil Absorption | 14 | parts oil/100 parts pigment | SCTM134 |
| pH | 9.6 | 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
Results based on a single manufactured lot

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