



The Shepherd Color Company  
We Brighten Lives

# TECHNICAL DATA SHEET

TDS #205  
Revision 6  
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## BLUE 10G551

C.I. Pigment Blue 36  
CAS # 68187-11-1\*

**DESCRIPTION:** A dark blue-green powder produced by solid-state reactions at high temperatures. This pigment has good UV and visible opacity, good acid and alkali resistance, is chemically inert, heat resistant, and stable to ultraviolet light. It is non-bleeding and non-migratory. It complies with ASTM C979 (Pigments for Integrally Colored Concrete). Typical applications (non inclusive) are concrete, stucco, grout, ceramic bodies, and low zinc glazes.

**COMPOSITION:** Cobalt, Chromium, and Aluminum

Physical/Chemical Property	Typical Value	Units	Test Method+
Specific Gravity	4.8	n/a	SCTM 312
Loose Packing Density	4.1	lbs./gal	SCTM 194
	0.49	kg/L	
Surface Area (BET)	4.6	m <sup>2</sup> /g	SCTM 153
Percent Moisture	0.2	wt. %	SCTM 248
Mean Particle Size	1.1	microns	SCTM 348
Conductivity	184	μS/cm	SCTM 142
Oil Absorption	17	parts oil/100 parts pigment	SCTM134
pH	8.6	n/a	SCTM 101
Residue 325 Mesh	0.01	wt. %	SCTM 135
Heat Stability	1500	°F	Observed
	800	°C	

+SCTM refers to Shepherd Color Testing Method

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