



The Shepherd Color Company  
We Brighten Lives

# TECHNICAL DATA SHEET

TDS #373  
Revision 1  
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## BLUE 10F545

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

### DESCRIPTION:

A dark blue high performance powder pigment. This colorant is intended for use in indirect or incidental food contact materials, as well as other systems where bleed and migration of the coloring pigments must be avoided. 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 dimensionally stable and will not promote warping in molded plastics. It is compatible with most resin systems and polymers. Typical applications (non inclusive) are liquid and powder coatings, inks, dispersions, concrete, plastics, and other applications where equivalent pigment chemistry is used.

### COMPOSITION: Cobalt, Chromium and Aluminum

Physical/Chemical Property	Typical Value	Units	Test Method+
Specific Gravity	4.7	n/a	SCTM 312
Loose Packing Density	4.8	lbs./gal	SCTM 194
	0.57	kg/L	
Surface Area (BET)	4.1	m <sup>2</sup> /g	SCTM 153
Percent Moisture	0.2	wt. %	SCTM 248
Mean Particle Size	1.2	microns	SCTM 348
Conductivity	100	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

Issued by: Brian Schwer-Technical Manager Issue Date: December 13, 2013

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