



The Shepherd Color Company
We Brighten Lives

TECHNICAL DATA SHEET

TDS #168
Revision 6
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BLACK 444

C.I. Pigment Black 26
CAS # 68186-94-7*

DESCRIPTION: A jet-black 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 the absence of chromium is desired and 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 liquid and powder coatings, inks, dispersions, plastics, and other applications where equivalent pigment chemistry is used.

COMPOSITION: Copper, Iron and Manganese

Physical/Chemical Property	Typical Value	Units	Test Method+
Specific Gravity	5.3	n/a	SCTM 312
Loose Packing Density	6.9 0.83	lbs./gal kg/L	SCTM 194
Surface Area (BET)	22	m ² /g	SCTM 153
Percent Moisture	0.7	wt. %	SCTM 248
Mean Particle Size (d ₅₀)	4.1	microns	SCTM 348
Conductivity	100	μS/cm	SCTM 142
Oil Absorption	24	parts oil/100 parts pigment	SCTM134
pH	6.1	n/a	SCTM 101
Residue 325 Mesh	3	wt. %	SCTM 135
Heat Stability	1,100 600	°F °C	Observed

+SCTM refers to Shepherd Color Testing Method

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