



The Shepherd Color Company  
We Brighten Lives

# TECHNICAL DATA SHEET

TDS #150  
Revision 9  
Page 1 of 1

## BLACK 430

C.I. Pigment Black 28  
CAS # 68186-91-4\*

**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 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 and Chromium

| Physical/Chemical Property | Typical Value | Units                       | Test Method+ |
|----------------------------|---------------|-----------------------------|--------------|
| Specific Gravity           | 5.4           | n/a                         | SCTM 312     |
| Loose Packing Density      | 5.6           | lbs./gal                    | SCTM 194     |
|                            | 0.67          | kg/L                        |              |
| Surface Area (BET)         | 4.5           | m <sup>2</sup> /g           | SCTM 153     |
| Percent Moisture           | 0.2           | wt. %                       | SCTM 248     |
| Mean Particle Size         | 0.9           | microns                     | SCTM 348     |
| Conductivity               | 146           | μS/cm                       | SCTM 142     |
| Oil Absorption             | 11            | parts oil/100 parts pigment | SCTM134      |
| pH                         | 6.6           | n/a                         | SCTM 101     |
| Residue 325 Mesh           | 0.01          | wt. %                       | SCTM 135     |
| Heat Stability             | 1,500         | °F                          | Observed     |
|                            | 800           | °C                          |              |

+SCTM refers to Shepherd Color Testing Method

Issued by: Brian Schwer-Technical Manager Issue Date: November 21, 2013

This document is not subject to the requirements of the Shepherd Color internal control procedure. This information provided hereon is based on tests believed to be reliable. However, this data is not guaranteed and no warranty, either expressed or implied is made concerning the use of this information or the use of the product described, whether or not known to The Shepherd Color Company.