

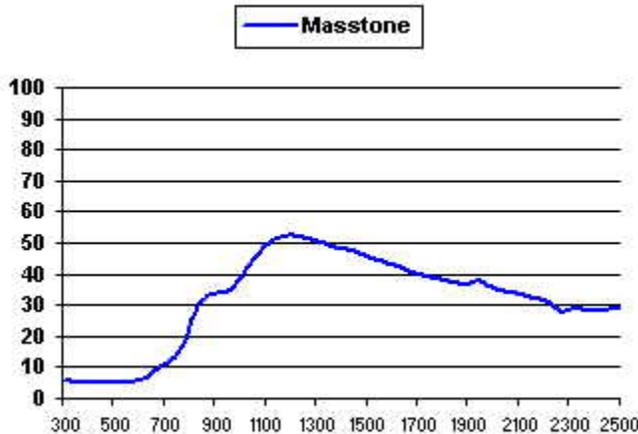


Black 411
 CI Pigment Brown 29
 Chromium Iron Oxide

A brown-black powder produced by high temperature calcination. This pigment has high infrared reflection, good UV and visible opacity, is chemically inert, heat resistant, and stable to ultraviolet light. It is non-bleeding and non-migratory. It exhibits low heat build-up, and has exceptional durability and hiding power. It is generally used in applications where a dark color with low heat build-up is desired, and where resistance to heat, light, and weather are needed. It is compatible with most resin systems and polymers, and is non-warping.

[Product Information](#)

Reflectance



Visible Only 300-2500 nm

Revision Date:	Apr-01-2002
Specific Gravity	5.1
Oil Absorption	14 kg/100 kg
Residue 325 mesh [44 µm]	0.04 wt%
Average Particle Size	0.6 µm
pH	6.5
Heat Stability	930 °C
Surface Area BET	4.0 m ² /g
Conductivity	250 µS/cm
Percent Moisture	0.1 wt%
Crystal Structure	hematite x-ray
Lightfastness	8 (1-8)
Weatherability	5 (1-5)
Acid Resistance	5 (1-5)
Alkali Resistance	5 (1-5)
Bulk Density	0.73 kg/L