

# CTM POTTERS SUPPLIES

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## SPEC SHEET

### SYNTHETIC BLACK IRON OXIDE

#### Typical Chemical Analysis

	<u>Measurement</u>	<u>Units</u>
Total Iron as Fe <sub>2</sub> O <sub>3</sub>	96.00	%
Matter volatile @ 105C	0.15	%
Acid Insoluble matter	0.50	%
Loss on ignition	0.15	%
Water soluble salts	0.10	%
Water insoluble salts	4.00	%
Carbon Content	0.90	%

#### Typical Physical Properties

Loose bulk density	0.70	kg/ltr
Compressed bulk density	1.40	kg/ltr
Oil Absorption	20	mls/100g
Specific Gravity	4.70	--
PH of a 5% aqueous suspension	4 to 6	--
Residue on a 75 micron sieve	0.10	%
Residue on a 45 micron sieve	1.60	%
Maximum stable temperature	180	C
Light resistance *	5	--
Alkali resistance *	5	--

\*Scale of 1 of 5 (1=poor, 5=excellent)

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