

CTM POTTERS SUPPLIES

SPEC SHEET

SYNTHETIC BLACK IRON OXIDE

Typical Chemical Analysis

| | <u>Measurement</u> | <u>Units</u> |
|--|--------------------|--------------|
| Total Iron as Fe ₂ O ₃ | 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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