

# CHEMIK CO., LTD.

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## TECHNICAL DATA SHEET

1. **Product Name:** Iron oxide black 3350EZ

2. **CAS Number:** 1317-61-9

3. **Formula:** Fe<sub>3</sub>O<sub>4</sub>

4. **Molecular weight:** 231.54

5. **Chemical-Physical Properties:**

Appearance: black crystal powder

Tamped apparent Density/Bulk Density: 0.8-1.3g/cm<sup>3</sup>

Melting point: 1594°C

Solubility: Insoluble in water and alcohols, soluble in concentrated strong acids.

Stability: Stable to heat under 100°C. Oxidized to red iron oxide at high temperature. Become gamma-iron oxide when ignition at 200-300°C.

6. **Usage:** Inorganic pigment. Widely used in concrete coloring, paintings, printing inks, coating & brick making.

7. **Specification:**

Fe<sub>3</sub>O<sub>4</sub>: 90.0% min.

Oil absorption: 15-25 ml/100g

Residue of 320 mesh: 0.008% max.

Water solubles: 0.5% max.

PH value: 5-8

Tinting strength: 95-105

Dispersibility: 40%

Hegman: 4+

Shade: similar with standard sample

8. **Packaging:**

25kgs PP woven bag or Kraft bags, 40 bags per pallet, shrink-wrapped.

1000kgs PP woven jumbo bag, palletized.