
TECHNICAL DATA SHEET

1. **Product Name:** Iron oxide yellow BM850

2. **CAS Number:** 51274-00-1

3. **Formula:** FeO. H₂O

4. **Molecular weight:** 177.69

5. **Chemical-Physical Properties:**

Appearance: yellow crystal powder

Tamped apparent Density/Bulk Density: 0.4-0.6g/cm³

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

Heat Stability: Resistant up to 260 degree C.

6. **Usage:** Inorganic pigment. Widely used in paintings and plastics.

7. **Specification:**

Fe as Fe₂O₃: 60.0% min.

Volatiles at 105°C: 2.0% max.

Water soluble matter: 1.0% max.

Residue of 325 mesh: 0.3% max.

PH value: 5-8

Oil absorption: 30-40 ml/100g

260°C/30 min ΔE ≤ 1.5

Shade: similar with standard sample

8. **Packaging:**

15kgs PP woven bag or Kraft bags, unpalletized

15kgs bags, 30bags per pallet, shrink-wrapped.

450kgs PP woven jumbo bag, palletized.