Technical Data Sheet
ORANGE IRON OXIDE

Description

Chemical Name	Synthetic iron hydroxide alpha-FeOOH, synthetic iron oxide alpha-FeO_{23}
Color Index No.	Pigment Red 101, Pigment Yellow 42
CAS No. / EC No.	1309-37-1, 51274-00-1 / 1309-37-1, 51274-00-1
Physical Form	Powder
Uses	Brick, cement, pavers, paint, coatings, plastic, rubber

Technical Data

Parameter	Unit	Value
Content (FeO_{23} + alpha-FeOOH)	%	≥ 88.0
Oil absorption	ml/100g	20 – 30
Residue on 325 mesh	%	≤ 0.3
Water-soluble salts	%	≤ 0.3
Moisture	%	≤ 1.0
pH value	—	3 – 7
Compacted bulk density	g/cm^3	0.7 – 1.0
Particle shape	—	Spherical
Tinting strength (vs. standard)	%	98 – 102
Color difference Delta E (vs. standard)	—	≤ 1.0

Packaging

25 kg bags

Transport and Storage

Protectfromweatherexposure. Store in a ventilated, dry place, avoiding extreme temperature fluctuations. Close the bags after use to prevent moisture absorption and contamination.

Safety

Theproduct is not classified as hazardous under the relevant EC directives and national regulations.

Shelf Life

12 Months

This technical data sheet for ORANGE IRON Oxide - Pigment is the property of TLA