Technical Data Sheet
BROWN IRON OXIDE 686

Trade Name	Brown iron oxide
Type	686
Chemical Name	Synthetic iron oxide
Physical Form	Powder
Color Index	Combination of Pigment Red 101, Yellow 42, and Black 11
Specifications	

Content	%	≥ 95	ISO1248
Oil absorption	ml/100g	25~35	ISO787-5
Residue on 325 mesh	%	≤ 0.3	ISO787-7
Water-soluble salts	%	≤0.5	ISO787-3
Moisture	%	≤1.5	ISO787-2
pH value		4~7	ISO787-9
Loss on ignition (1,000°C, ½ h)	%	—	DIN55913
Bulk density	g/cm^3	0.6~0.9	ISO787-11
Specific gravity	g/cm^3	4.8	ISO787-10
Particle size BET	microns	Irregular	Electron micrographs
Dispersibility (Hegman)	microns	—	ISO787-20
Tinting strength (vs. standard)	%	95~105	ISO787-24
Color difference Delta E (vs. standard)		≤ 1.0	ISO787-1

Sales Packaging	25 kg bags
Transport and Storage	Protect from weather exposure / Store in a dry place; temperatures above 80°C must be avoided.
Safety	The product is not classified as hazardous under EC 1907/2006 and EC 1272/2008.

Shelf Life
12 Months

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