



# ZHEJIANG GREEFIELD INDUSTRY CO.,LTD

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## Material Technical Data Sheet

### General Information:

Version Date:2010-05-28

**Product Name :** Iron Oxide Brown 686

**Chemical Formula :** Fe<sub>2</sub>O<sub>3</sub> & Fe<sub>3</sub>O<sub>4</sub>

**Type :** Brown Pigment

**Color Index :** Pigment Red 101 & Black 11

**Delivery Form :** Powder

**CAS No. :** 1309-37-1 & 1317-61-9

**EINECS No. :** 215-168-2 & 215-277-5

### Technical Specification:

Color Value&Tinting Strength	Unit	Specification	Test Method
Mass Tone Δ EabL		≤ 1.0	ISO787-1
Tint Tone Δ EabL		≤ 0.8	ISO787-16
Relative tinting strength	%	97 ~ 103	ISO787-16
Technical Data	Unit	Specification	Test Method
Fe <sub>2</sub> O <sub>3</sub> Content	%	≥ 92.0	ISO1248
Matter Volatile at 105℃	%	≤ 1.0	ISO787-2
Water Soluble Salts	%	≤ 0.3	ISO787-3
Residue on 45μm Mesh	%	≤ 0.2	ISO787-7
PH Value		5.5 ~ 7.5	ISO787-9
Oil Absorption	g/100g	20 ~ 30	ISO787-5
Density	g/cm <sup>3</sup>	4.80	ISO787-10
Tamped Density	g/cm <sup>3</sup>	0.95	ISO787-11
Predominant Particle Size	μm	Irregular	Electron Micrographs
Particle Shape		Irregular	Electron Micrographs
Standard Package	25kg/bag , 50lb/bag , 1000kgs/bag base on standard fine palletized.		
Transportation and Storage	Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.		
Safety	The product is not classified as hazardous under EC1907/2006 & EC1272/2008.		

The information presented in this brochure is given in good faith and is accurate to the best knowledge of GREEFIELD. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee. We make no implied warranty of merchantability, or fitness for a particular purpose. The user has an obligation to test the products to confirm their suitability for the intended use.

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