



ZHEJIANG GREEFIELD INDUSTRY CO.,LTD

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Material Technical Data Sheet

General Information:

Version Date:2010-05-28

Product Name: Micronized IronOxide Red 4110M **CAS No.:** 1309-37-1
Chemical Formula: α -Fe₂O₃ **EINECS No.:** 215-168-2
Color Index: Pigment Red 101 (77491) **Type:** Fine Red Pigment in Micronized Powder
Dispersibility (Hegman) : 8 Grade , Characteristics of Particle Size < 16um ;

Technical Specification:

Color Value&Tinting Strength	Unit	Specification	Test Method
Mass Tone Δ EabL		≤ 1.2	ISO787-1
Tint Tone Δ EabL		≤ 1.0	ISO787-24
Relative tinting strength	%	95 ~ 105	ISO787-24
Technical Data	Unit	Specification	Test Method
Fe ₂ O ₃ Content	%	≥ 96.0	ISO1248
Matter Volatile at 105℃	%	≤ 1.0	ISO787-2
Water Soluble Salts	%	≤ 0.3	ISO787-3
Residue on 45μm Mesh	%	≤ 0.008	ISO787-7
PH Value		4.5 ~ 8.0	ISO787-9
Oil Absorption	g/100g	15 ~ 25	ISO787-5
Ignition loss (1,000℃, ½ h)	%	≤ 1.0	DIN55913
Density	g/cm ³	5.05	ISO787-10
Tamped Density	g/cm ³	1.10	ISO787-11
Dispersibility (Hegman)	μm	15 / 20 / 25	ISO787-20
Predominant Particle Size	μm	0.10	Electron Micrographs
Particle Shape		Spherical	Electron Micrographs
Standard Package	20kgs/bag, 25kg/bag , 50lb/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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