

Product Information



Micronized Grade Synthetic Oxide pigments

Edition : 2010-06-28

Micronized Oxide Pigments from GREEFIELD could especially provide excellent, cost-effective dispersibility on high speed mixing equipment in addition to clean and bright colour, higher tinting strength, stable light fastness and super weather resistance. Besides, it could be non-fading, nontoxic, eco-friendly which is absolutely qualified as one of top-grade products compared to other kinds of pigments with similar applications.

Our Micronized Iron Oxide Pigments have two grades. One is High Performance (FM) Grade, the other is Standard (M) Grade. High Performance Grade is highly micronized to offer easy dispersion with high-speed impeller milling equipment or single & twin screws extruder. Standard Grade is suitable for use where high-energy media filled dispersion equipment such as sand-mills are used or in applications where high Hegman levels of dispersion are not required.

All of the products are carefully controlled within narrow limits for mass colour, tint and strength. Typical applications include architectural paints, industrial coatings, product finishes, wood stains, plastics, rubber, ceramics, inks, paper, concrete, stucco, cement and mortar.

Type / Code	Tamped Density [g/cm ³]	Matter Volatile at 105 ^o C [%]	Matter Soluble in Water [%]	Oil Absorption [g/100g]	Residue on 45 μm Mesh [%]	pH Value
Micronized Red Iron Oxide						
110M	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 7.0
120M	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 7.0
130M	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 7.0
140M	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 7.0
160M	1.0 ~ 1.2	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 7.0
180M	1.0 ~ 1.2	≤ 1.0	≤ 0.5	≤ 25	≤ 0.00	5.0 ~ 7.0
Micronized Yellow Iron Oxide						
313M	0.4 ~ 0.6	≤ 1.0	≤ 0.5	≤ 35	≤ 0.008	5.0 ~ 7.0
3910M	0.4 ~ 0.6	≤ 1.0	≤ 0.5	≤ 35	≤ 0.008	5.0 ~ 7.0
3920M	0.4 ~ 0.6	≤ 1.0	≤ 0.5	≤ 35	≤ 0.008	5.0 ~ 7.0
3950M	0.4 ~ 0.6	≤ 1.0	≤ 0.5	≤ 35	≤ 0.05	5.0 ~ 7.0
Micronized Black Iron Oxide						
318M	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 8.0
330M	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 8.0
780M	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.008	5.0 ~ 8.0
303T	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.05	5.0 ~ 8.0
505T	0.9 ~ 1.1	≤ 1.0	≤ 0.5	≤ 25	≤ 0.05	5.0 ~ 8.0

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.