

INORGANIC PIGMENTS



● H I L I N T E K

NINGBO HILINTEK CO., LTD.

Typical Physical Properties (Standard Grade)

Product Code 产品型号	Pigment Index 颜料索引号	Chemical Composition 化学成分	Purity% (as Fe ₂ O ₃) 纯度	Oil Absorption (g/100g) 吸油量	Density (g/cm ³) 密度	Sieve Residue on 325 mesh (%) 筛余物	Water Soluble Salts (%) 水溶物	PH	Moisture (%) 水分	Hegman 细度	Particle Shape 原始颗粒形状	DE 总色差	Tinting Strength (%) 着色率
Test Method			ISO 1248	ISO 787-5	ISO 787-10	ISO 787-7	ISO 787-3	ISO 787-9	ISO 787-2	ASTM D1210	Eletron Micrograph	ISO 787-1	ISO 787-16

IRON OXIDE RED

100	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105
101	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105
110	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105
120	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105
130S	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105
130	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105
180	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105
190	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.3	≤0.3	4-7	≤1	3.0+	Spherical	≤1	95-105

IRON OXIDE YELLOW

310	PY42	Fe ₂ O ₃ · H ₂ O	85+	28-40	4.1	≤0.3	≤0.3	4-7	≤1	3.0+	Acicular	≤1	95-105
311	PY42	Fe ₂ O ₃ · H ₂ O	85+	28-40	4.1	≤0.3	≤0.3	4-7	≤1	3.0+	Acicular	≤1	95-105
312	PY42	Fe ₂ O ₃ · H ₂ O	85+	28-40	4.1	≤0.3	≤0.3	4-7	≤1	3.0+	Acicular	≤1	95-105
313	PY42	Fe ₂ O ₃ · H ₂ O	85+	28-40	4.1	≤0.3	≤0.3	4-7	≤1	3.0+	Acicular	≤1	95-105

IRON OXIDE BLACK

318	PBk 11	Fe ₃ O ₄	90+	15-25	4.8	≤0.3	≤0.5	5-8	≤1	---	Cubic	≤1	95-105
330	PBk 11	Fe ₃ O ₄	90+	15-25	4.8	≤0.3	≤0.5	5-8	≤1	---	Cubic	≤1	95-105
357	PBk 11	Fe ₃ O ₄	90+	15-25	4.8	≤0.3	≤0.5	5-8	≤1	---	Cubic	≤1	95-105
780	PBk 11	Fe ₃ O ₄	90+	15-25	4.8	≤0.3	≤0.5	5-8	≤1	---	Cubic	≤1	95-105

Typical Physical Properties (Economy Grade)

Product Code 产品型号	Pigment Index 颜料索引号	Chemical Composition 化学成分	Purity% (as Fe ₂ O ₃) 纯度	Oil Absorption (g/100g) 吸油量	Density (g/cm ³) 密度	Sieve Residue on 325 mesh (%) 筛余物	Water Soluble Salts (%) 水溶物	PH	Moisture (%) 水分	Hegman 细度	Particle Shape 原始颗粒形状	DE 总色差	Tinting Strength (%) 着色率
Test Method			ISO 1248	ISO 787-5	ISO 787-10	ISO 787-7	ISO 787-3	ISO 787-9	ISO 787-2	ASTM D1210	Eletron Micrograph	ISO 787-1	ISO 787-16

IRON OXIDE RED

110E	PR101	Fe ₂ O ₃	85+	15-25	5.0	≤0.5	≤1.0	4-7	≤1	3.0+	Spherical	≤1	95-105
120E	PR101	Fe ₂ O ₃	85+	15-25	5.0	≤0.5	≤1.0	4-7	≤1	3.0+	Spherical	≤1	95-105
130E	PR101	Fe ₂ O ₃	85+	15-25	5.0	≤0.5	≤1.0	4-7	≤1	3.0+	Spherical	≤1	95-105
190E	PR101	Fe ₂ O ₃	85+	15-25	5.0	≤0.5	≤1.0	4-7	≤1	3.0+	Spherical	≤1	95-105
110C	PR101	Fe ₂ O ₃	90+	15-25	5.0	≤0.3	≤0.5	4-7	≤1	3.0+	Spherical	≤1	95-105
120C	PR101	Fe ₂ O ₃	90+	15-25	5.0	≤0.3	≤0.5	4-7	≤1	3.0+	Spherical	≤1	95-105
130C	PR101	Fe ₂ O ₃	90+	15-25	5.0	≤0.3	≤0.5	4-7	≤1	3.0+	Spherical	≤1	95-105
190C	PR101	Fe ₂ O ₃	90+	15-25	5.0	≤0.3	≤0.5	4-7	≤1	3.0+	Spherical	≤1	95-105

IRON OXIDE BLACK

310E	PBk 11	Fe ₃ O ₄	70+	15-25	4.8	≤0.5	≤1.0	5-8	≤1	3.0+	Cubic	≤1	95-105
320E	PBk 11	Fe ₃ O ₄	70+	15-25	4.8	≤0.5	≤1.0	5-8	≤1	3.0+	Cubic	≤1	95-105
357E	PBk 11	Fe ₃ O ₄	70+	15-25	4.8	≤0.5	≤1.0	5-8	≤1	3.0+	Cubic	≤1	95-105
357C	PBk 11	Fe ₃ O ₄	70+	15-25	4.8	≤0.3	≤0.5	5-8	≤1	3.0+	Cubic	≤1	95-105

IRON OXIDE YELLOW

313E	PY42	Fe ₂ O ₃ · H ₂ O	70+	28-40	4.1	≤0.5	≤1.0	4-7	≤1	3.0+	Acicular	≤1	95-105
313C	PY42	Fe ₂ O ₃ · H ₂ O	75+	28-40	4.1	≤0.3	≤1.0	4-7	≤1	3.0+	Acicular	≤1	95-105

IRON OXIDE ORANGE

960E	Mixture	Mixture	80+	28	4.5	≤0.5	≤1.0	4-7	≤1	3.0+	Irregular	≤1	95-105
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IRON OXIDE BROWN

686E	Mixture	Mixture	80+	25	4.8	≤0.5	≤1.0	5-8	≤1	3.0+	Irregular	≤1	95-105
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Typical Physical Properties (Micronized & Heat Stable)

Product Code 产品型号	Pigment Index 颜料索引号	Chemical Composition 化学成分	Purity% (as Fe ₂ O ₃) 纯度	Oil Absorption (g/100g) 吸油量	Density (g/cm ³) 密度	Sieve Residue on 325 mesh (%) 筛余物	Water Soluble Salts (%) 水溶物	PH	Moisture (%) 水分	Hegman 细度	Particle Shape 原始颗粒 形状	DE 总色差	Tinting Strength (%) 着色率
Test Method			ISO 1248	ISO 787-5	ISO 787-10	ISO 787-7	ISO 787-3	ISO 787-9	ISO 787-2	ASTM D1210	Electron Micrograph	ISO 787-1	ISO 787-16

IRON OXIDE RED

110M	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
120M	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
130M	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
140M	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105
180M	PR101	Fe ₂ O ₃	95+	15-25	5.0	≤0.01	≤0.3	5-8	≤1	6.0+	Spherical	≤1	95-105

IRON OXIDE YELLOW

910M	PY42	Fe ₂ O ₃ · H ₂ O	85+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105
920M	PY42	Fe ₂ O ₃ · H ₂ O	85+	28-40	4.1	≤0.01	≤0.3	5-8	≤1	6.0+	Acicular	≤1	95-105

IRON OXIDE BLACK

318M	PBk 11	Fe ₃ O ₄	90+	15-25	4.8	≤0.01	≤0.3	5-8	≤1	6.0+	Cubic	≤1	95-105
330M	PBk 11	Fe ₃ O ₄	90+	15-25	4.8	≤0.01	≤0.3	5-8	≤1	6.0+	Cubic	≤1	95-105

IRON OXIDE YELLOW

300HT	PY42	Fe ₂ O ₃ · H ₂ O	85+	28-40	4.1	≤0.05	≤0.5	5-8	≤1	4.0+	Acicular	≤1.2	95-105
310HT	PY42	Fe ₂ O ₃ · H ₂ O	70+	28-40	4.1	≤0.05	≤0.5	5-8	≤1.5	4.0+	Acicular	≤1.2	95-105
320HT	PY42	Fe ₂ O ₃ · H ₂ O	65+	28-40	4	≤0.05	≤0.5	5-8	≤1.5	4.0+	Acicular	≤1.2	95-105
330HT	PY119	ZnFe ₂ O ₄	65+	15-25	5	≤0.05	≤0.5	5-8	≤1	4.0+	Cubic	≤1.2	95-105
350HT	PY119	ZnFe ₂ O ₄	65+	15-25	5	≤0.05	≤0.5	5-8	≤1	4.0+	Cubic	≤1.2	95-105

IRON OXIDE BROWN

640HT	PBr43	(Fe,Mn) ₂ O ₃	85+	25	4.8	≤0.05	≤0.5	5-8	≤1	4.0+	Spherical	≤1.2	95-105
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IRON OXIDE BLACK

304HT	PBk 33	(Fe,Mn) ₃ O ₄	65+	15-25	4.8	≤0.05	≤0.5	5-8	≤1	4.0+	Spherical	≤1.0	95-105
305HT	PBk 33	(Fe,Mn) ₃ O ₄	65+	15-25	4.8	≤0.05	≤0.5	5-8	≤1	4.0+	Spherical	≤1.0	95-105

Typical Physical Properties (Blending & Chrome)

Product Code 产品型号	Pigment Index 颜料索引号	Chemical Composition 化学成分	Purity% 纯度	Oil Absorption (g/100g) 吸油量	Density (g/cm ³) 密度	Sieve Residue on 325 mesh (%) 筛余物	Water Soluble Salts (%) 水溶物	PH	Moisture (%) 水分	Particle Shape 原始颗粒 形状	DE 总色差	Tinting Strength (%) 着色率
Test Method			ISO 1248	ISO 787-5	ISO 787-10	ISO 787-7	ISO 787-3	ISO 787-9	ISO 787-2	Eleiron Micrograph	ISO 787-1	ISO 787-16

IRON OXIDE ORANGE

959	Mixture	Mixture	86+	20-35	4.5	≤0.30	≤0.5	4-7	≤1	Irregular	≤1	95-105
960	Mixture	Mixture	86+	20-35	4.5	≤0.30	≤0.5	4-7	≤1	Irregular	≤1	95-105
962	Mixture	Mixture	86+	20-35	4.5	≤0.30	≤0.5	4-7	≤1	Irregular	≤1	95-105

IRON OXIDE BROWN

610	Mixture	Mixture	88+	20-30	4.6	≤0.30	≤0.5	5-8	≤1	Irregular	≤1	95-105
660	Mixture	Mixture	88+	15-25	4.8	≤0.30	≤0.5	5-8	≤1	Irregular	≤1	95-105
686	Mixture	Mixture	88+	15-25	4.8	≤0.30	≤0.5	5-8	≤1	Irregular	≤1	95-105

IRON OXIDE BLUE

488	Mixture	Mixture	-	15-25	4.0	≤0.30	≤2.0	7-9	≤1	Irregular	≤1.2	95-105
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IRON OXIDE GREEN

5605	Mixture	Mixture	-	15-25	4.0	≤0.30	≤2.0	7-9	≤1	Irregular	≤1.2	95-105
835	Mixture	Mixture	-	15-25	4.0	≤0.30	≤2.0	7-9	≤1	Irregular	≤1.2	95-105

CHROME YELLOW

Lemon Chrome	PY34	PbCrO ₄	40+	≤30	-	≤0.3	≤1.0	4-8	≤3	-	≤1	95-105
Light Chrome	PY34	PbCrO ₄	60+	≤25	-	≤0.3	≤1.0	4-8	≤2	-	≤1	95-105
Medium Chrome	PY34	PbCrO ₄	80+	≤22	-	≤0.3	≤1.0	4-8	≤1	-	≤1	95-105
Deep Chrome	PY34	PbCrO ₄	80+	≤22	-	≤0.3	≤1.0	4-8	≤1	-	≤1	95-105

CHROME RED



Molybdate Red 107	PR104	PbCrO ₄	50+	≤22	-	≤0.3	≤1.0	4-8	≤2	-	≤1	95-105
Molybdate Red 207	PR104	PbCrO ₄	70+	≤22	-	≤0.3	≤1.0	4-8	≤2	-	≤1	95-105
Molybdate Red 307	PR104	PbCrO ₄	50+	≤25	-	≤0.3	≤2.0	4-8	≤2	-	≤1	95-105

CHROME GREEN

GN	PG17	Cr ₂ O ₃	99+	≤20	-	≤0.3	≤0.5	5-8	≤0.5	-	≤1	95-105
GM	PG17	Cr ₂ O ₃	98+	≤18	-	≤0.05	≤0.5	5-8	≤0.5	-	≤1	95-105


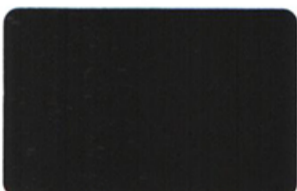

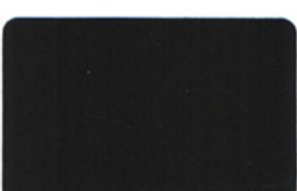


BLENDING AND CHROME PIGMENTS

拼混级氧化铁及铬颜料

TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色	TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色
959			LEMON YELLOW		
960			LIGHT YELLOW		
962			MEDIUM YELLOW		
610			DEEP YELLOW		
660			RED 107		
686			RED 207		
488			RED 307		
5605			GREEN GN		
835			GREEN GM		

ECONOMICAL IRON OXIDE

经济级氧化铁

TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色	TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色
110C			313C		
120C			313E		
130C			310E		
190C			320E		
110E			357E		
120E			357C		
130E			960E		
190E			686E		

STANDARD IRON OXIDE










标准级氧化铁

TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色
100		
101		
110		
120		
130S		
130		
190		
180		

TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色
310		
311		
312		
313		
318		
330		
780		
357		

MICRONIZED AND HEAT-STABLE IRON OXIDE

超细及耐温级氧化铁

TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色	TYPE 型号	FULL SHADE 原色	REDUCTION 冲淡色
110M			300HT		
120M			310HT		
130M			320HT		
140M			330HT		
180M			350HT		
910M			640HT		
920M			304HT		
318M			305HT		
330M					

"Coloring the world, one pigment at a time."



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