



TECHNICAL SPECIFICATIONS CHART

Grade	Fe ₂ O ₃ (%)	pH Value of Aqueous Extract	Oil Absorption (%)	Tamped Density (gm / cm ³)	Residue on 325 Mesh Sieve 45 Microns (%Max)	Water Soluble Matter (% Max)	Particle Shape	Loss on Ignition (%)	Tinting Strength (%)
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Synthetic Iron Oxide Yellow - Pigment Yellow 42, Colour Index No: 77492

825	86-88	4.5-6.5	50-60	0.3-0.5	0.50	0.50	Acicular	≤12	95~105
925	86-88	4.5-6.5	50-60	0.3-0.5	0.50	0.50	Acicular	≤12	95~105

Synthetic Iron Oxide Orange - Combination of Colour Index No: 77492 & 77491

G4960	90-92	4.5-6.5	40-50	0.4-0.6	0.50	0.50	Irregular	≤8	95~105
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Synthetic Iron Oxide Red - Pigment Red 101, Colour Index No: 77491

120	96-98	4.5-6.5	40-50	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
301	96-98	4.5-6.5	40-50	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
225	96-98	4.5-6.5	30-40	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
PG	96-98	4.5-6.5	30-40	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
325	96-98	4.5-6.5	20-30	0.6-0.8	1.00	0.50	Irregular	≤1	95~105
425	96-98	4.5-6.5	20-30	0.6-0.8	1.00	0.50	Irregular	≤1	95~105
1600	96-98	4.5-6.5	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	95~105
1600S	96-98	6.5-7.5	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	95~105
1700	93-95	7.0-9.0	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	95~105
445	95-97	6.0-8.0	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	95~105
473	95-97	6.0-8.0	10-20	0.7-0.9	1.00	0.50	Spherical	≤1	95~105
446	95-97	6.0-8.0	10-20	0.7-0.9	1.00	0.50	Spherical	≤1	95~105
449	95-97	6.0-8.0	10-20	0.8-1.0	1.00	0.50	Spherical	≤1	95~105
G100	96-98	3.5-7.0	15-25	0.9-1.1	0.30	0.40	Spherical	≤1	95~105
G110	96-98	3.5-7.0	15-25	0.9-1.1	0.30	0.40	Spherical	≤1	95~105
G130	96-98	3.5-7.0	15-25	0.9-1.1	0.30	0.40	Spherical	≤1	95~105
G140	96-98	3.5-7.0	15-25	0.9-1.1	0.30	0.40	Spherical	≤1	95~105
R2000	96-98	5.0-7.0	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	95~105

Synthetic Iron Oxide Brown - Combination of Colour Index No: 77491, 77492 & 77499

610	90-92	4.5-7.0	30-40	0.6-0.8	0.50	0.50	Irregular	≤5	95~105
841	94-96	4.5-7.0	15-25	0.8-1.0	0.50	0.50	Irregular	≤1	95~105

Synthetic Iron Oxide Black - Pigment Black 15, Colour Index No: 77499

G330	90-92 Fe ₃ O ₄	5.0-8.0	15-25	0.9-1.1	0.50	0.50	Spherical	≤1	95~105
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% above 10 microns
(Range 3-10 microns)

Micronised Series - Synthetic Iron Oxide

1600M	96-98	6.0-8.0	15-25	1.1-1.3	0.50	0.50	Spherical	≤1	95~105
1800M	96-98	6.0-8.0	15-25	1.1-1.3	0.50	0.50	Spherical	≤1	95~105
445M	95-97	6.0-8.0	15-25	1.0-1.2	0.50	0.50	Spherical	≤1	95~105
473M	95-97	6.0-8.0	10-20	1.0-1.2	0.50	0.50	Spherical	≤1	95~105
101M	95-97	6.0-8.0	15-25	0.9-1.1	0.50	0.50	Spherical	≤1	95~105
R2000M	96-98	5.0-7.0	15-25	1.1-1.3	1.00	0.50	Spherical	≤1	95~105