

TECHNICAL DATA SHEET

Iron Oxide Yellow T3910

Edition of	2012-12-20
Type	Yellow Pigment-High Performance micronised
Molecular formula	Fe ₂ O ₃ . H ₂ O
Molecular weight	177.71
Delivery Form	Powder
Chemical Class	Synthetic Iron Oxide alpha-FeOOH
Color Index	Pigment Yellow 42(77492)
CAS No.	20344-49-4
Use ReCommedation	Coatings, Construction, Plastic

COLOR VALUES AND TINTING STRENGTH

Reference	Standard: DIN 6174		
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Binder	Test Paste Based On R-05		
Full Shade			No.001, 2001-01-01
ΔL*	-0.4	0.4	
Δa*	-0.8	0.8	
Δb*	-0.9	0.9	
ΔE*ab		1.0	
Reduction with titanium dioxide (1:5)	R-706		
ΔL*	-0.5	0.5	No.038, 2009-08-01
Δa*	-0.5	0.5	
Δb*	-0.6	0.6	
ΔE*ab		0.8	
Binder	R-05		
Relative tinting strength [%]	97.0	103.0	No.038, 2009-08-01

TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Fe ₂ O ₃	86		DIN 55913-2
Water soluble substances [%]		0.5	DIN ISO 787-3
Moisture at 105°C [%]		0.5	DIN ISO 787-2
Oil absorption approx [%]		35	DIN ISO 787-5



Sieve residue on 0.045mm mesh [%]		0.005	DIN 53195
Color compared with standard		Similar-a little	DIN 6174
ΔE		0.8	DIN 6174
PH Value	4.5	7.0	DIN ISO 787-9
Loss on Heating 1000°C 1/2h		14.0	DIN 55913-2
Density		4.0	DIN ISO 787-10
Tamped Density		0.6	DIN ISO 787-11

STANDARD PACKAGING 20kg/bag
