

TECHNICAL DATA SHEET

Iron Oxide Orange TG960

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

COLOR VALUES AND TINTING STRENGTH

Reference	Standard: DIN 6174		
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Reduction with titanium dioxide (1:2)		R-706	No.038.2009-08-01
ΔL*	-0.7	0.7	
Δa*	-0.7	0.7	
Δb*	-0.7	0.7	
ΔE*ab		1.0	
Binder		R-05	
Relative tinting strength [%]	95	105	No.038.2009-08-01

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	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Fe ₂ O ₃	83		DIN 55913-2
SiO ₂ +Al ₂ O ₃ Content [%]		0.6	DIN 55913
Water soluble substances [%]		4.0	DIN ISO 787-3
Moisture at 105°C [%]		1.0	DIN ISO 787-2
Oil absorption approx [%]		35	DIN ISO 787-5
Sieve residue on 0.045mm mesh [%]		0.1	DIN 53195
Color compared with standard		Similar-a little	DIN 6174
ΔE		1.0	DIN 6174
PH Value	3.5	7.5	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

Granular size: 0.3 mm – 0.6 mm/ 0.6 mm – 1.0 m.

TER QINGDAO INDUSTRY



STANDARD PACKAGING 20kg/bag

Address: Rm 1702, West Wing, Donghaishijia, No.41, Donghaixi Road, Qingdao 266071, China
Tel: 86-532-85979677/8 Fax: 86-532-85979676
Website: www.gdter.com E-mail: webs@gdter.com