

## TECHNICAL DATA SHEET

### Iron Oxide Orange T960

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

#### TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Fe <sub>2</sub> O <sub>3</sub>	88		DIN 55913-2
Water soluble substances [%]		0.5	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

#### STANDARD PACKAGING 20kg/bag