

TECHNICAL DATA SHEET



YIPIN® Iron Oxide Orange S960

Edition of	2018/03/30	CPH
Type	Orange Pigment S960	
Chemical name	Synthetic Iron Oxide α -FeOOH	
Delivery Form	Powder	
Colour-Index	Mixture of: Pigment Yellow 42 (77492) Pigment Red 101 (77491)	
CAS-No. / EC-No.	51274-00-1, 1309-37-1	
REACH no.	01-2119457554-33-0020	

COLOR VALUES AND TINTING STRENGTH

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Relativ tinting strength [%]	95	105	ISO 787-16

Binder: Alkyd Resin DQ	Full shade		Reduction		Test Method
	with TiO2 R2902(1:10)				
	<u>Min</u>	<u>Max</u>	<u>Min</u>	<u>Max</u>	
Δ L*	-0.5	0.5	-0.5	0.5	ISO 787-1
Δ a*	-0.6	0.6	-0.6	0.6	
Δ b*	-0.6	0.6	-0.6	0.6	
Δ C*	-0.6	0.6	-0.6	0.6	
Δ H*	-0.6	0.6	-0.6	0.6	
Δ E _{ab} *	1.0		1.0		

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<u>Properties</u>	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Matter soluble in Water [%]		0.5	ISO 787-3
Sieve Residue [%] on 45 μ m mesh		0.3	ISO 787-7
PH Value	4	7	ISO 787-9
Contents (Fe as Fe ₂ O ₃)	86.0		ISO 1248
Density [g/cm ³]	4.5		ISO 787-10

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<u>Properties</u>	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Matter volatile at 105°C [%] after prod.		1.0	ISO 787-2
Oil Absorption [g/100g]		28	ISO 787-5
Tamped apparent density [g/cm ³]	0.4	0.8	ISO 787-11
Predominant Particle Size [µm]	0.1x0.8		
Particle Shape	irregular		Electron Micrographs

STANDARD PACKAGING

25 kg paper bags / 500 kg bulk bag / 600 kg bulk bag or according to customer requirements

TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature and temperatures of above 80°C. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

SAFETY

The product is not classified as dangerous under the relevant EC directives 67/584/EEC and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handling, product safety and ecology.

This information is given in good faith, without warranty. It also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.