

# TECHNICAL DATA SHEET

YIPIN<sup>®</sup> Iron Oxide Pigment  
Iron Oxide Yellow Y810T



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<b>Edition of</b>	2014-03-18
<b>Type</b>	Yellow Pigment
<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	Synthetic iron oxide alpha FeOOH modified with Al-compounds
<b>Color Index</b>	Pigment yellow 42(77492)
<b>CAS No.</b>	20344-49-4
<b>Use Recommendation</b>	With increased thermal stability for coating and plastic application

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## COLOR VALUES AND TINTING STRENGTH

Reference			Standard: DIN 6174
	<b>Min</b>	<b>Max</b>	<b>Test Method</b>
Reduction with titanium dioxide (1:2)	R-706		No.038.2009-08-01
$\Delta L^*$	-0.7	0.7	
$\Delta a^*$	-0.7	0.7	
$\Delta b^*$	-0.7	0.7	
$\Delta E^*_{ab}$		1.0	
Binder	R-05		
Relative tinting strength [%]	95	105	No.038.2009-08-01

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	<b>Min</b>	<b>Max</b>	<b>Test Method</b>
Moisture (After Production) [%]		1.5	DIN ISO 787 part 2
Sieve Residue (0.045mm) [%]		0.1	DIN 53195
Fe <sub>2</sub> O <sub>3</sub> [%]	80.0		DIN 55913 sheet 2
Water Soluble Matter [%]		0.4	DIN 55913
PH Value	5		DIN ISO787 Part 9
Oil Absorption approx%	25	35	DIN ISO 787 part 5
Particle Shape	Acicular		

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	<u>Approx.</u>	
Predominant Particle size [ $\mu\text{m}$ ]	0.1X0.7	Electron Micrographs
Density [g/ml]	4.5	DIN ISO 787 part10
Heat Stability ( $^{\circ}\text{C}$ )	240	as per DIN EN 12877-2(2000)

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<b>STANDARD PACKAGING</b>	20kg/bag
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## TRANSPORT AND STORAGE

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

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## SAFETY

The product is not classified as dangerous under the relevant EC directives 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.

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