

# TECHNICAL DATA SHEET

YIPIN<sup>®</sup> Iron Oxide Pigment  
Manganese Ferrite BK305T



---

<b>Edition of</b>	2014-03-18
<b>Type</b>	Black pigment
<b>Delivery Form</b>	Powder pigment
<b>Chemical Class</b>	Synthetic Mixed Iron and Manganese Oxide (Mn,Fe) <sub>2</sub> O <sub>3</sub>
<b>Color Index</b>	Pigment Black 33 (77537)
<b>CAS No.</b>	75864-23-2
<b>Use Recommendation</b>	Coating/ plastic Industry etc

---

## COLOR VALUES AND TINTING STRENGTH

---

Reference			Standard: ASTM
	<b><u>Min</u></b>	<b><u>Max</u></b>	<b><u>Test Method</u></b>
Reduction with titanium dioxide (1:2)	R-706		ASTM D 387
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	ASTM D 387

---

## TECHNICAL DATA

---

	<b><u>Min</u></b>	<b><u>Max</u></b>	<b><u>Test Method</u></b>
Water-Soluble Content [%]		0.3	ASTM D 280
Sieve Residue (0.045mm) [%]		0.2	ASTM D 185
Fe <sub>2</sub> O <sub>3</sub> [%]	65.0		ASTM D 50
Moisture (After Production) [%]		0.8	ASTM D 1208
Particle Shape	Spherical		Electron Micrographs

---

YIPIN PIGMENTS, INC. Tel:+1-909-243-7394 Fax: +1-909-243-7397  
一品颜料 Tel:+86-21-39500127 Fax: +86-21-59503692

www.yipin.com  
gwq@yipin.com

# TECHNICAL DATA SHEET

YIPIN<sup>®</sup> Iron Oxide Pigment  
Manganese Ferrite BK305T



	<u>Approx.</u>	
Oil absorption [g/100g]	15-25	ASTM D 281
Density [g/ml]	5.0	ASTM D153
Heat Stability [°C]	500	as per DIN EN 12877-2(2000)

---

<b>STANDARD PACKAGING</b>	50lb/bag
---------------------------	----------

---

## 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.

---

## 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.

---

This information is given in good faith, without warranty. It is 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.

**YIPIN PIGMENTS, INC.** Tel:+1-909-243-7394 Fax: +1-909-243-7397  
一品颜料 Tel:+86-21-39500127 Fax: +86-21-59503692

www.yipin.com  
gwq@yipin.com