

TECHNICAL DATA SHEET

YIPIN[®] Iron Oxide Pigment
Manganese Ferrite BK305T



Edition of	2010-08-18
Type	Black pigment
Delivery Form	Powder pigment
Chemical Class	Synthetic Mixed Iron and Manganese Oxide (Mn,Fe) ₂ O ₃
Color Index	Pigment Black 33 (77537)
CAS No.	75864-23-2
Use Recommendation	Coating/ plastic Industry etc

COLOR VALUES AND TINTING STRENGTH

Reference			Standard: DIN 6174
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>
Water-Soluble Content [%]		0.3	DIN ISO787 part 3
Sieve Residue (0.045mm) [%]		0.2	DIN 53195 (1990)
Fe ₂ O ₃ [%]	65.0		DIN 55913 sheet 2
Moisture (After Production) [%]		0.8	DIN ISO 787 part 2
Particle Shape		Spherical	

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	<u>Approx.</u>	
Oil absorption [g/100g]	15-25	DIN ISO 787 part 5
Density [g/ml]	5.0	DIN ISO 787 part 10
Heat Stability [F]	1000	

STANDARD PACKAGING	25kg/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.

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.

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