## 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

\[(\text{Mn,Fe})_2\text{O}_3\]

### Color Index
Pigment Black 33 (77537)

### CAS No.
75864-23-2

### Use Recommendation
Coating/ plastic Industry etc

### COLOR VALUES AND TINTING STRENGTH

<table>
<thead>
<tr>
<th>Reference</th>
<th>Standard: DIN 6174</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduction with titanium dioxide (1:2)</td>
<td>R-706</td>
</tr>
<tr>
<td>R-706</td>
<td>No.038.2009-08-01</td>
</tr>
<tr>
<td>(\Delta L^*)</td>
<td>0.7</td>
</tr>
<tr>
<td>(\Delta a^*)</td>
<td>0.7</td>
</tr>
<tr>
<td>(\Delta b^*)</td>
<td>0.7</td>
</tr>
<tr>
<td>(\Delta E^*_{ab})</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Binder: R-05

Relative tinting strength [%]: 95

### TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Min</th>
<th>Max</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water-Soluble Content [%]</td>
<td>0.3</td>
<td></td>
<td>DIN ISO787 part 3</td>
</tr>
<tr>
<td>Sieve Residue (0.045mm) [%]</td>
<td>0.2</td>
<td></td>
<td>DIN 53195 (1990)</td>
</tr>
<tr>
<td>(\text{Fe}_2\text{O}_3) [%]</td>
<td>65.0</td>
<td></td>
<td>DIN 55913 sheet 2</td>
</tr>
<tr>
<td>Moisture (After Production) [%]</td>
<td>0.8</td>
<td></td>
<td>DIN ISO 787 part 2</td>
</tr>
<tr>
<td>Particle Shape</td>
<td>Spherical</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

YIPIN PIGMENTS, INC.  
Tel: +1-909-390-3881  
Fax: +1-909-390-7788  
www.yipin.com  

一品颜料  
Tel: +86-21-39500127  
Fax: +86-21-59503692  
gwq@yipin.com  

1 of 2  
11/17/2015  
Copyright Shanghai Yipin Pigments Co., Ltd
TECHNICAL DATA SHEET
YIPIN® Iron Oxide Pigment
Manganese Ferrite BK305T

Approx.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil absorption [g/100g]</td>
<td>15-25</td>
</tr>
<tr>
<td>Density [g/ml]</td>
<td>5.0</td>
</tr>
<tr>
<td>Heat Stability [°F]</td>
<td>1000</td>
</tr>
</tbody>
</table>

DIN ISO 787 part 5
DIN ISO 787 part 10

STANDARD PACKAGING
25kg/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 handing, 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.