

48445 Iron Oxide Black 303 T

Product Information

Type:	Black pigment, micronized
Delivery form:	Powder
Chemical class:	Synthetic iron-manganese mixed oxide (Fe,Mn) ₂ O ₃
Color Index:	Pigment Black 33 (77537)
CAS No.:	68186-94-7
REACH-Registration No:	01-2119457599-19-0000

Specification

Color values and tinting strength

	<u>min.</u>	<u>max.</u>	<u>Test method</u>
Binder: test paste based on a non-drying alkyde resin			No. 001 of 1995-04-28
Reduced shade with titanium dioxide (1:5)			
Δa*	-0.5	0.5	
Δb*	-0.6	0.6	
ΔC _{ab} *	-0,6	0,6	
ΔH _{ab} *	-0,7	0,7	
ΔE _{ab} *		0.8	
Relative tinting strength (%)	95	105	

Technical Data:

	<u>min.</u>	<u>max.</u>	<u>Test method</u>
Water-soluble content (%)		0.7	DIN EN ISO 787 part 3 (1995)
Sieve residue (0,045-mm-sieve) (%)		0.005	DIN 53 195 (1990)
pH-value	7.0	10	DIN EN ISO 787 part 9 (1995)

Informative technical data (standard values)

		<u>Test method</u>
Content Fe ₂ O ₃	> 77.2 %	DIN 53 913 sheet 2 (1972)
Content MnO	< 22 %	DIN 55 913 sheet 2 (1972)
Loss on ignition at 1000°C, 0.5h	< 0.6	DIN 55 913 sheet 2 (1972)
Moisture content (after production)	0.5 %	DIN EN ISO 787 Part 2 (1995)
Particle size	spherical	
Predominant particle size (µm)	0.6	Electron microscope
Oil absorption (g/100 g)	16	DIN EN ISO 787 part 5 (1995)
Tamped density (g/ml)	1.1 - 1.5	DIN EN ISO 787 part 11 (1995)
Density (g/ml)	4.6	DIN EN ISO 787 part 10 (1995)

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, labelling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet must be observed. This contains information on handling, product safety and ecology.

This product meets the requirements of the European Toys Regulation DIN EN 71, part 3.