

48360 Iron Oxide Brown 686, extra dark

Product Information

Type:	Brown pigment
Delivery form:	Powder
Chemical class:	Synthetic iron oxide (mixture)
Color Index:	Pigment Red 101 (77491), Pigment Black 11 (77499)
CAS No.:	1309-37-1 & 1317-61-9
REACH-Registration No:	all components are registered

Specification

Color values and tinting strength

	<u>min.</u>	<u>max.</u>	<u>Test method</u>
Binder: test paste based on a non-drying alkyd resin			No. 001 of 1995-04-28
Reduced shade with titanium dioxide (1:5)			
Δa^*	-1.0	1.0	
Δb^*	-1.2	1.2	
ΔE_{ab}^*		1.3	
Binding agent: barium sulfate			
Relative tinting strength (%)	95	105	

Technical Data:

	<u>min.</u>	<u>max.</u>	<u>Test method</u>
Water-soluble content (%)		1.2	DIN EN ISO 787 part 3 (1995)
Sieve residue (0,045-mm-sieve) (%)		0.1	DIN 53 195 (1990)
pH-value	5.0	8.0	DIN EN ISO 787 part 9 (1995)

Informative technical data (standard values)

		<u>Test method</u>
Content Fe ₃ O ₄	> 92 %	DIN 53 913 sheet 2 (1972)
Content SiO ₂ + Al ₂ O ₃	< 3.0 %	DIN 55 913 sheet 2 (1972)
Loss on ignition at 1000°C, 0.5h	< 4.0 %	DIN 55 913 sheet 2 (1972)
Moisture content (after production)	< 2.5 %	DIN EN ISO 787 Part 2 (1995)
Particle size	irregular	
Predominant particle size (µm)	0.1 – 0.6	Electron microscope
Oil absorption (g/100 g)	22	DIN EN ISO 787 part 5 (1995)
Tamped density (g/ml)	0.8 – 1.2	DIN EN ISO 787 part 11 (1995)
Density (g/ml)	4.8	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.