

TECHNICAL DATA SHEET

Iron Oxide Black S330



HERMES
CHEMISTRY

The substance is crucial.

Edition of	2012/09/30	CPH
Type	Black Pigment S330	
Chemical name	Synthetic Fe ₃ O ₄	
Delivery Form	Powder	
Colour-Index	Pigment Black 11 (77499)	
CAS-No. / EC-No.	1317-61-9	
REACH no.	01-2119457646-28-0022	

COLOR VALUES AND TINTING STRENGTH

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Relativ tinting strength [%]	95	105	ISO 787-16

Binder: Alkyd Resin DQ	Full shade		Reduction		Test Method
	with TiO2 R2902(1:10)				
	<u>Min</u>	<u>Max</u>	<u>Min</u>	<u>Max</u>	
Δ L*	-0.5	0.5	-0.5	0.5	ISO 787-1
Δ a*	-0.6	0.6	-0.6	0.6	
Δ b*	-0.6	0.6	-0.6	0.6	
Δ C*	-0.6	0.6	-0.6	0.6	
Δ H*	-0.6	0.6	-0.6	0.6	
Δ Eab*		1.0		1.0	

TECHNICAL DATA

<u>Properties</u>	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Matter soluble in Water [%]		0.5	ISO 787-3
Sieve Residue [%] on 325 mesh		0.3	ISO 787-7
Matter volatile at 105OC [%] (aft.prod.)		1.0	ISO 787-2
PH Value	5	8	ISO 787-9
Contents (Fe as Fe ₃ O ₄)	90.0		ISO 1248

Note: The raw materials used and the products manufactured by are submitted to precise plant control. The content of our technical leaflet is based on three decades of experience, research and technical back up. Due to continuous development and varying applications we reserve the right to revise and improve our product. Our technical department and experts are available to give assistance on request. An advantage you should make use of!

TECHNICAL DATA SHEET

Iron Oxide Black S330



The substance is crucial.

Tamped apparent density [g/cm ³]	0.9	1.1	ISO 787-11
Density [g/cm ³]	4.8		ISO 787-10

	<u>Approx.</u>	<u>Test Method</u>
Oil Absorption [ml/100 g]	25	DIN ISO 787-5
Predominant particle size [µm]	0.4	Electr.Micrographs
Particle shape	cubic	Electr.Micrographs

STANDARD PACKAGING

25 kg bags / 1000 kg bulk bag / 1200 kg bulk bag or according to customer requirements

TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature and temperatures of above 80°C. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

If stored under correct conditions, the product has a shelf life of 5 years after date of production.

SAFETY

The product is not classified as dangerous under the relevant EC directives 67/584/EEC 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.

TECHNICAL DATA SHEET

Iron Oxide Black S330



HERMES
CHEMISTRY

The substance is crucial.

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.

Contact

Hermes Capital GmbH

Hofackerzeile 10

13627 Berlin, Germany

Tel: +49 33762 808870

E-Mail: chemistry@hermes-capital.de

Note: The raw materials used and the products manufactured by are submitted to precise plant control. The content of our technical leaflet is based on three decades of experience, research and technical back up. Due to continuous development and varying applications we reserve the right to revise and improve our product. Our technical department and experts are available to give assistance on request. An advantage you should make use of!