

Product Information

Black 748

Description

Type	Black pigment
Delivery form	Powder
Chemical class	Synthetic iron oxide Fe ₃ O ₄
Colour Index	Pigment black 11(77499)
CAS No.	1317-61-9
REACH registration no.	01-2119457646-28-0000

Specification

Colour values and tinting strength			
Standard	Black 748		
Year	2011		
Binder	Reduction ⁴⁵	Test method	
Test past based on a non drying alkyd resin ⁴⁶	with titanium dioxide (1 : 5)	No.001 ⁴¹	
	min	max	
ΔE*		1.5	
Binder: Barytes	95	105	Test method
Relative tinting strength [%]			No. 003 ⁴¹

Specification

Technical Data	min	max	Test method
Sieve residue (0.045 mm sieve) [%]		0.30	DIN EN ISO 787-7:2009
pH value	5.0	8.0	DIN EN ISO 787-9:1995

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Informative technical data (guide values)

			Test method
Fe ₃ O ₄ content[%] ⁵³	>	98.7	information about the determination of iron oxide ⁴¹ similar to DIN 55913-2:1972
Loss on ignition at 1000 °C, 0.5 h[%]	<	n.a	
Moisture content(after production)[%]	<	2.5	DIN EN ISO 787-2:1995
Particle shape		Spherical	Electron micrographs
Predominant particle size[μm]	~	0.2	Electron micrographs
Water-soluble content[%]	<	0.5	DIN EN ISO 787-3:1995
Oil absorption [g/100g]	~	18	DIN EN ISO 787-5:1995
Tamped density [g/ml]	~	1.0	DIN EN ISO 787-11:1995
Density [g/ml]	~	4.5	DIN EN ISO 787-10:1995

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Packaging

The product is available in sacks or bulk bags. For further information please ask your local contact or send an enquiry by e-mail to [mailto: ipg.product-information@lanxess.com](mailto:ipg.product-information@lanxess.com)

Transport and storage conditions

General storage conditions:	Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.
Maximum storage temperature:	When storing large quantities of pigments, temperatures above 80 °C must be avoided as an alternation (oxidation) of the pigments may be caused by heat.
Special conditions for opened packaging:	Close bags after use to prevent the absorption of moisture and contamination
Shelf life:	If store under the correct conditions(no climatic influence, kept dry and no extreme fluctuations in temperature) our products have an excellent shelf life. However, due primarily to the limited durability of the packaging, we recommend that the product is used within 5 years of the date of manufacture and our product warranty is limited manufacture we are able to ensure compliance with our specification provided the material has been stored correctly and the packaging materials remain undamaged.

Safety

Classification	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 counties outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substance must be ensured.
Additional Information	The safety data sheet should be observed. This contains information on handling, product safety and ecology. The safety data sheet is available at www.bayferrox.de .

Product Information

Status of registration

(not specified)

The components of this product are listed on the following inventories:				
Europe:	USA:	Canada:	Australia:	New Zealand:
EINECS	TSCA	DSL	ALCS	NZIOC
Philippines:	Japan:	Korea:	China:	Taiwan:
PICCS	METI	ECL	IECSC	NECSI

⁴¹ obtainable from LANXRSS Deutschland GmbH, Business Unit Inorganic Pigments, Fax +49-2151-88-9599-4139, mailto: ipg.product-information@lanxess.com

⁴⁵ Colour values after matching of the tinting strength parameter Y, i.e. $\Delta L^*=0$

⁴⁶ similar to wet system DIN 55983:1983

⁵³ Minor elements may arise from the raw materials used. However, these are firmly bound to the crystal lattice as ions.