Product Information

Bayoxide® E 8600/A

Description

Type	Technical Oxide	**Delivery Form**	Powder
Chemical Class	Synthetic Iron Oxide Fe_3O_4		
CAS-No.	1317-61-9	**Manufacturer**	LANXESS GmbH

Specified values are determined to LANXESS internal quality control procedures. Color readings are reported in CIELab* units.

Specified Technical Data

Technical Data	**min**	**max**	Test method
Specific Surface Area [m^2/g]	7.5	13.5	DIN 66131 (1993)
Coercivity IHc [Oe]	85	115	Test method [35]
Remanence Br [G]	730	1060	Test method [35]
Remanence Br [emu/g]	12.6	18.4	Test method [35]
Saturation magnetization Bs [G]	4460	5340	Test method [35]
Saturation magnetization Bs [emu/g]	77.2	92.4	Test method [35]

Bayoxide® E 8600/A – Informative Technical Data*

			Test method
Content Fe_2O_3 [%]	>	94	as per DIN 55 913 sheet 2 (1972)
Moisture content (after production) [%]	<	2	as per DIN EN ISO 787 Teil 2 (1995)
Predominant particle size [µm]	~	0.2	Electron micrographs
pH value	~	6	DIN EN ISO 787 part 9 (1995)
Density [g/ml]	~	4.6	as per DIN EN ISO 787 Teil 10 (1995)

[35] The magnetic data were measured with a magnetometer MA7 at a maximum field strength of 5 kOe assuming a density of 4.6 g/cm^3.

*These items are provided as general information only. They are approximate values and are not considered part of the product specification.

Bayoxide® E is a registered trademark of Bayer AG, Germany.

LANXESS Corporation • 111 RIDC Park West Drive • Pittsburgh, PA 15275 • Phone: 1-800-LANXESS •
www.Bayferrox.com **www.US.LANXESS.com**

Health and Safety Information: Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling the LANXESS products mentioned in this publication. For materials mentioned which are not LANXESS products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be followed. Before working with any of these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, *e.g., material safety data sheets and product labels*. Consult your LANXESS Corporation representative or contact the Product Safety and Regulatory Affairs Department at LANXESS.

Note: The information contained in this publication is current as of February 2015. Please contact LANXESS to determine if this publication has been revised