

## Product Information

### Bayoxide® E 8600/A

#### Description

<b>Type</b>	Technical Oxide	<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	Synthetic Iron Oxide Fe <sub>3</sub> O <sub>4</sub>		
<b>CAS-No.</b>	1317-61-9	<b>Manufacturer</b>	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 <sup>2</sup> /g]	7.5	13.5	DIN 66131 (1993)
Coercivity IHc [Oe]	85	115	Test method <sup>35</sup>
Remanence Br [G]	730	1060	Test method <sup>35</sup>
Remanence Br [emu/g]	12.6	18.4	Test method <sup>35</sup>
Saturation magnetization Bs [G]	4460	5340	Test method <sup>35</sup>
Saturation magnetization Bs [emu/g]	77.2	92.4	Test method <sup>35</sup>

## Bayoxide<sup>®</sup> E 8600/A – Informative Technical Data\*

			Test method
Content Fe <sub>2</sub> O <sub>3</sub> [%]	>	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)

<sup>35</sup> 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<sup>3</sup>.

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

Bayoxide<sup>®</sup> E is a registered trademark of Bayer AG, Germany.

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