

Product Information

Bayferrox® 6250

Description

Type	Brown pigment	Delivery Form	Powder
Chemical Class	Synthetic Iron Oxide (Mixture)	Color Index	Pigment Red 101 (77491) / Pigment Yellow 42 (77492) / Pigment Black 11 (77499)
Standard	2000	Manufacturer	LANXESS Corporation
CAS-No.	1309-37-1 / 51274-00-1 / 1317-61-9		

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

Specifications

		<u>Minimum</u>	<u>Maximum</u>	<u>Test Method</u>
1. Color (Masstone)	ΔL^*	-1.0	1.0	No. 009 41 ⁴¹
	Δa^*	-1.0	1.0	
	Δb^*	-1.0	1.0	
	ΔE_{ab}^*		1.5	
2. Color (TiO ₂ reduction, 1:5)	Δa^*	-1.0	1.0	
	Δb	-1.0	1.0	
	ΔE_{ab}^*		1.5	
3. Relative Tinting Strength [%] (TiO ₂ reduction, 1:5)		95	105	No.009 41 ⁴¹

*Binder test paste is based on a flexible PVC resin.

Bayferrox® 6250 - Informative Technical Data*

		Test Method
Iron Oxide Content (%) ⁵³	>97	Information about the determination of iron oxide ⁴¹
Loss on ignition at 1000°C, ½ hr. [%] ⁸	~5	DIN 55913-2 (1972)
Moisture content – after production (%)	< 2.5	DIN EN ISO 787 Part 2 (1995)
Particle Shape	-----	Electron Microscope
Predominant Particle size (Microns)	Variable	Electron Microscope
Oil Absorption (g/100g)	~25	DIN EN ISO 787 Part 5 (1995)
Tap Density (g/ml)	0.7-1.2	DIN EN ISO 787 Part 11 (1995)
Density (g/ml)	~4.7	DIN EN ISO 787 Part 10 (1995)
⁸ In iron oxide brown pigments, a chemical transformation (dehydration and/or oxidation) is also recorded when determining the loss on ignition ⁴¹ Obtainable from LANXESS Corporation, Business Unit Inorganic Pigments ⁵³ Minor elements may arise from the raw materials used. However, these are firmly bound to the crystal lattice as ions.		

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

Transport and Storage

General storage conditions:	Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.
Special conditions of opened packaging	Close bags after use to prevent the absorption of moisture and contamination.
Shelf life:	<p>This product has an excellent shelf life. We recommend that this product is used within ten years of the date of manufacture and limit our product warranty to this period. During the first ten years after the date of manufacture we are able to ensure compliance with this specification, provided the material has been stored as stated above and the packaging materials remain undamaged. It must be taken into account that the packaging mean can have a shelf life considerably shorter than the one for this product. All recommendations and warnings given on the packaging must strictly be adhered to. Deviations from storage conditions can lead to undesired changes on side of the packaging materials. These succumb to ageing which may also lead to compromising their capability. Concerning their estimated service life we differentiate between the following packaging materials:</p> <p>All kinds of bags (Paper and PE) 5 years All kinds of Bulk bag 3 years</p> <p>With respect to our Bulk Bags we recommend to avoid UV-radiation because the sewing material of the lifting loops is stabilized against degradation by UV-radiation for approximately 1000 h incident sun radiation for the climate of Central Europe. A more intense sun radiation can shorten this period significantly. In cases where there is doubt the lifting loops must be checked thoroughly.</p>

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

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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., *safety data sheets and product labels*. Consult your LANXESS representative or contact the Product Safety and Regulatory Affairs Department at LANXESS.

Note: The information contained in this publication is current as of September 2022.