

## Product Information

### Bayferrox® 6428XF

#### Description

<b>Type</b>	Brown pigment	<b>Delivery Form</b>	Powder
<b>Chemical Class</b>	Synthetic Iron Oxide Mixture	<b>Color Index</b>	Pigment Red 101 (77491)/ Pigment Black 11 (77499)/ Pigment Yellow 42 (77492)
<b>Standard</b>	Bayferrox 6428XF	<b>Manufacturer</b>	LANXESS Corporation
<b>Standard year</b>	1994	<b>CAS-No.</b>	1309-37-1/ 1317-61-9/ 51274-00-1

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>
<b>1. Color*</b> (TiO <sub>2</sub> reduction, 1:5)	$\Delta a^*$	-0.8	0.8	No. 001 <sup>41</sup>
	$\Delta b^*$	-0.8	0.8	
	$\Delta E^*_{ab}$		1.5	
<b>2. Relative Tinting Strength * [%]</b> (TiO <sub>2</sub> reduction, 1:5)		95	105	No. 001 <sup>41</sup>

\* Binder test paste is based on a non-drying alkyd resin

**Bayferrox® 6428XF – Informative Technical Data (Typical Values) \*\***

Technical Data		Test Method
Iron oxide content [%] <sup>53</sup>	83 - 87	Information about the determination of iron oxide <sup>41</sup>
Loss on ignition at 1000°C, ½ hr. [%]	< 4	DIN 55913-2 (1972)
Moisture content – after production [%]	< 1.5	DIN EN ISO 787-2 (1995)
Particle Shape	-----	Electron Microscope
Predominant Particle Size [µm]	Variable	Electron Microscope
Oil Absorption [g/100g]	20 - 30	DIN EN ISO 787-5 (1995)
Tap Density [g/ml]	0.8 – 1.2	DIN EN ISO 787-11 (1995)
Density [g/ml]	~4.3	DIN EN ISO 787-10 (1995)

<sup>41</sup> Obtainable from LANXESS, Business Unit Inorganic Pigments,

<sup>53</sup> 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.

## Packaging

Grades are delivered in different packaging materials. Please ask your local contact about the packaging for the grade in question or send an enquiry mail to: [jpg.product-information@lanxess.com](mailto:jpg.product-information@lanxess.com)

## 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>

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