

Product Information

Colortherm® Yellow 26

Description

Type	Yellow pigment - micronized	Delivery Form	Powder
Chemical Class	Synthetic Zinc Ferrite $ZnFe_2O_4$	Color Index	Pigment Yellow 119 (77496)
Standard	2006	Manufacturer	LANXESS GmbH
CAS-No.	68187-51-9		

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^*	-0.7	0.7	No. 009 ⁴¹
	Δa^*	-1.0	1.0	
	Δb^*	-1.4	1.4	
	ΔE^*		1.7	
2. Color (TiO₂ reduction, 1:5)*⁴⁵				No. 009 ⁴¹
	Δa^*	-1.1	1.1	
	Δb^*	-1.5	1.5	
	ΔE^*		1.7	
3. Relative Tinting Strength (TiO ₂ reduction, 1:5)		95	110	No. 009 ⁴¹
4. Dispersibility (µm)	Box 1		30	No. 004 ⁴¹
	Box 2		50	
	Box 3		80	
5. pH		6	10	DIN EN ISO 787-9 (1995)
6. Water Soluble Salts (max %)			0.5	DIN EN ISO 787-3 (2000)

*Binder test paste is based on a flexible PVC resin

Colortherm® Yellow 26 – Informative Technical Data*

		Test Method
Content ZnFe ₂ O ₄ (%) ⁵³	> 99.5	Information about the determination of iron oxide ⁴¹
Loss on ignition at 1000°C, ½ hr. (max %)	< 0.5	DIN 55 913 page 2 (1972)
Moisture content – after production (%)	< 0.5	DIN EN ISO 787 Part 2 (1995)
Particle Shape	acicular	Electron Microscope
Predominant Particle Size (Microns)	0.15 x 0.5	Electron Microscope
Oil Absorption (g/100g)	~ 16	DIN EN ISO 787 Part 5 (1995)
Tap Density (g/ml)	0.8 - 1.2	DIN EN ISO 787 Part 11 (1995)
Density (g/ml)	~ 5.2	DIN EN ISO 787 Part 10 (1995)

⁴¹ Obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, mailto: ipg.product-information@lanxess.com
⁴⁵ Colour values after matching of the tinting strength parameter Y, i.e. Δ L*=0
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.

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