

Product Information

Chrome oxide green GN

Description

Type	Green pigment
Delivery form	Powder
Chemical class	Chromium oxide Cr ₂ O ₃
Colour Index	Pigment green 17 (77288)
CAS-No.	1308-38-9

Specification

Colour values and tinting strength			
Reference	Chromoxid grün GN Powder standard		Partie 0455/99
Binder	Test paste based on a non drying alkyd resin ⁴⁰		Similar to wet system DIN 55 983 (1983)
	min	max	Test method
Full shade			No. 001 of 1995-04-28 ⁴¹
Delta-L*	-0.5	0.5	
Delta-a*	-0.6	0.6	
Delta-b*	-0.6	0.6	
Delta-E _{ab} *		1.0	
Reduction with titanium dioxide Tronox® R-KB-2 (1 : 5)			No. 001 of 1995-04-28 ⁴¹
Colour values after matching of the tinting strength parameter Y, i.e. delta L*=0			
Delta-a*	-0.6	0.6	
Delta-b*	-0.6	0.6	
Delta-E _{ab} *		1.0	
Relative tinting strength [%]	95	105	No. 001 of 1995-04-28 ⁴¹

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Technical Data	min	max	
water-soluble content [%]		0.3	as per DIN EN ISO 787 part 3 (1995)
Sieve residue (0.045 mm sieve) [%]		0.02	as per DIN 53195 (1990)
pH value	5.0	7.0	as per DIN EN ISO 787 Teil 9 (1995)

Informative technical data (guide values)

			Test method	
Content Cr ₂ O ₃ [%]	98.5	-	99.5	X-ray fluorescence
Content SiO ₂ + Al ₂ O ₃ [%]		0.1		as per DIN 55 913 Blatt 2 (1972)
Particle shape		spherical		Electron micrographs
Predominant particle size [µm]		0.3		Electron micrographs
Oil absorption [g/100 g]		11		as per DIN EN ISO 787 Teil 5 (1995)
Heat stability [°C]		1000		as per DIN EN 12 877-2 (2000)
Density [g/ml]		5.2		as per DIN EN ISO 787 Teil 10 (1995)

⁴⁰see separate information sheet "Pigment test pastes"⁴¹

⁴¹obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments,
Fax +49-2151-88-969-4139, Email ipg.product-information@lanxess.com

Chrome oxide green GN

Packaging

25-kg-bag
1000-kg-bulk bag

Transport and storage

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.

Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

Safety

The product is not classified as dangerous under the relevant EC Directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations.

In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labelling and transport of dangerous substances must be ensured. The safety data sheet should be observed. This contains information on handling, product safety and ecology.

Safety data sheet no.:	002570
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