

TECHNICAL DATA SHEET

YIPIN® Green Chrome
Green Chrome SGC-M



Edition of	2023-02-16
Type	Pigment Green
Delivery Form	Powder
Chemical Class	Green Chrome Cr ₂ O ₃
Color Index	Pigment green17 (77288)
CAS No.	1308-38-9
Use Recommendation	Coating、Construction、Plastic

COLOR VALUES AND TINTING STRENGTH

Reference	Standard: DIN 6174		
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Binder	Test Paste Based On R-05		
Full Shade	No.001, 2001-01-01		
△L*	-0.7	+0.7	
△a*	-0.7	+0.7	
△b*	-0.7	+0.7	
△E*ab		1.0	
Reduction with titanium dioxide (1:2)	R-706		
△L*	-0.7	+0.7	No.038, 2009-08-01
△a*	-0.7	+0.7	
△b*	-0.7	+0.7	
△E*ab		1.0	
Binder	R-05		
Relative tinting strength [%]	95.0	105.0	No.038, 2009-08-01

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	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Content [%]		0.3	DIN ISO787 Part 3
Sieve Residue (0.023mm) [%]		0.1	DIN 53195
PH Value	4.0	7.0	DIN ISO787 Part 9
Cr ₂ O ₃ [%]	98.5		DIN ISO 4621
Moisture (After Production) [%]		0.2	DIN ISO787 Part 2
Particle Shape	Spherical		Electron Micrographs

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	<u>Approx.</u>	
Predominant Particle size [μM]	0.3	Electron Micrographs
Oil Absorption [$\text{g}/100\text{g}$]	15~25	DIN ISO787 Part 5
Density [g/ml]	~5.2	DIN ISO787 Part 10
Stability on Heating[$^{\circ}\text{C}$]	1000	Muffle Furnace Calcination

STANDARD PACKAGING	25kg/bag
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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, labeling and transport of dangerous substances must be ensured.

The information contained in the safety data sheet should be observed.

This contains information on handling, product safety and ecology.

This information is given in good faith, without warranty. It is also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.