



Product Description

Chemical characterization	Cobalt titanite green spinel
Color Index	Pigment Green 50
Appearance	Green powder
C.I. No.	77377
CAS No.	68186-85-6

Technical Data

	Unit	Value	Test Method
Water-soluble salts	[%]	<0.5	acc. to ISO 787-3
Volatile matter (105 °C)	[%]	<0.5	
pH value		7.0 - 9.0	acc. to ISO 787-9
Density	[g/cm ³]	typ. 4.9	acc. to ISO 787-10
Bulk density	[g/cm ³]	typ. 0.9	
Tamped density	[g/cm ³]	typ. 1.5	acc. to ISO 787-11
Oil absorption	[g/100g]	typ. 16	acc. to ISO 787-5
Sieve residue 45 µm	[%]	<0.1	acc. to ISO 787-7
Median D50	[µm]	typ. 1.0	acc. to ISO 13320

Fastness Properties

Resistance to Chemicals		
	Value	Test Method
Acid	5	rating acc. to DIN EN ISO 105-A03
Alkali	5	rating acc. to DIN EN ISO 105-A03
Water	5	rating acc. to DIN EN ISO 105-A03
Butanol	5	rating acc. to DIN EN ISO 105-A03
Butylacetate	5	rating acc. to DIN EN ISO 105-A03
Xylene	5	rating acc. to DIN EN ISO 105-A03
MEK	5	rating acc. to DIN EN ISO 105-A03
White spirits	5	rating acc. to DIN EN ISO 105-A03

Acid/alkali resistance: Pigment was dipped into hydrochloric acid (10%) or soda solution (10%). Rating with gray scale: 1=poor, 5=excellent.

Solvent resistance: Pigment was dipped into solvent. Rating with gray scale: 1=poor, 5=excellent.

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	Value	Test Method
Heat resistance [°C]	600	acc. to ISO 787-21
Light fastness [full shade]	8	acc. to DIN EN ISO 16474-2/DIN EN ISO 105-B02
Light fastness [1/9 SD]	8	acc. to DIN EN ISO 16474-2/DIN EN ISO 105-B02
Weather fastness [full shade]	5	acc. to DIN EN ISO 16474-2/DIN EN ISO 20105-A02
Weather fastness [1/9 SD]	5	acc. to DIN EN ISO 16474-2/DIN EN ISO 20105-A02

Heat resistance: Tested in heat resistant coating up to 600 °C for 30 minutes.

Light Fastness: Tested in water based automotive system. Rating with 8-step wool scale: 1=poor, 8=excellent.

Weather fastness: Tested in water based automotive system. Rating with gray scale after 2000 h accelerated weathering: 1=poor, 5=excellent.

Packaging and Handling

Packaging	25 kg paper bags
Packaging	Different types of packaging are available on request

Safety

In accordance with CLP regulation No. 1272/2008 this product is classified with following hazard classes and category codes: skin sens. 1, H317 / carc. 1A, H350i / STOT RE 2, H373.

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Our application information and any other information in this document as well as our product specifications are based on our current state of knowledge at the Revision Date mentioned in the respective document. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The product specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and ourselves.