HEUCODUR® Blue 551



Technical Data Sheet Rev. Number: 01.02 01/2

Full Shade	Reduction 1:3 TiO ₂

Product Description		
Chemical characterization	Cobalt aluminate blue spinel	
Color Index	Pigment Blue 28	
Appearance	Blue powder	
C.I. No.	77346	
CAS No.	1345-16-0	

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/cm³]	typ. 3.5	acc. to ISO 787-10
Bulk density	[g/cm³]	typ. 0.4	
Tamped density	[g/cm³]	typ. 0.9	acc. to ISO 787-11
Oil absorption	[g/100g]	typ. 25	acc. to ISO 787-5
Sieve residue 45 µm	[%]	<0.1	acc. to ISO 787-7
Median D50	[µm]	typ. 0.9	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.

Tds-hd_551-01_02

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.

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	Value	Test Method
Coatings:	-	
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
Plastics:	-	
Heat resistance [full shade][°C]	>320	acc. to DIN EN 12877-2
Heat resistance [1:3][°C]	>320	acc. to DIN EN 12877-2
Light fastness [full shade]	8	acc. to DIN EN ISO 4892-2/DIN EN ISO 105-B02
Light fastness [1:3]	8	acc. to DIN EN ISO 4892-2/DIN EN ISO 105-B02

Heat resistance: For coatings tested in heat resistant coating up to 600 $^{\circ}$ C for 30 minutes, for plastics tested in HDPE system up to 320 $^{\circ}$ C.

Light Fastness: For coatings tested in water based automotive system, for plastics tested in LDPE 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	20 kg paper bags
Packaging	Different types of packaging are available on request

Tds-hd_551-01_02