

Full Shade	Reduction 1:10 TiO ₂
	

Product Description	
Chemical characterization	Azo-nickel-complex
Color Index	Pigment Yellow 150
Appearance	Yellow powder
C.I. No.	12764
CAS No.	68511-62-6

Product Description			
	Unit	Value	Test Method
Hue angle [1/3 SD]		91.1	acc. to DIN EN ISO/CIE 11664-4

Technical Data			
	Unit	Value	Test Method
Density	[g/cm ³]	typ. 1.6	acc. to ISO 787-10
Bulk volume	[l/kg]	typ. 3.5	acc. to ISO 697
Specific surface	[m ² /g]	typ. 39.0	acc. to DIN ISO 66132

Fastness Properties		
Resistance to Chemicals		
	Value	Test Method
Acid	4	rating acc. to DIN EN ISO 105-A03
Alkali	3 - 4	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.

	Value	Test Method
Migration	5	acc. to DIN EN 14469-4/DIN EN ISO 105-A03
Warping	low	
Heat resistance [1/3 SD][°C]	340	acc. to DIN EN 12877-2
Light fastness [1:10]	8	acc. to DIN EN ISO 4892-2/DIN EN ISO 105-B02

Migration: Tested in plasticized PVC system. Rating with gray scale: 1=poor, 5=excellent.

Warping: The pigment influence on the warping and shrinkage was tested for injection molded HDPE-parts.

Heat resistance: Tested in HDPE system.

Light fastness: Tested in LDPE system. Rating with 8-step wool scale: 1=poor, 8=excellent.

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Application Profile	
PVC	+++
Polyolefins	+++
PS	++
ABS	++
PA	++
PC	
Powder coatings	

+++ Excellent choice

++ Good choice

+ Possible choice

Packaging and Handling	
Packaging	20 kg cardboard boxes
Packaging	Different types of packaging are available on request.

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