HEUCODUR® Yellow 156 (P)

Full Shade	Reduction 1:3 TiO_2

Product Description	
Chemical characterization	Antimony nickel titanium rutile
Color Index	Pigment Yellow 53
Appearance	Yellow powder
C.I. No.	77788
CAS No.	8007-18-9

Technical Data			
	Unit	Value	Test Method
Water-soluble salts	[%]	<0.1	acc. to ISO 787-3
Volatile matter (105 °C)	[%]	<0.1	
pH value		7.0 - 9.0	acc. to ISO 787-9
Density	[g/cm³]	typ. 4.5	acc. to ISO 787-10
Bulk density	[g/cm³]	typ. 0.8	
Tamped density	[g/cm³]	typ. 1.4	acc. to ISO 787-11
Oil absorption	[g/100g]	typ. 15	acc. to ISO 787-5
Sieve residue 45 µm	[%]	<0.1	acc. to ISO 787-7
Median D50	[µm]	typ. 1.2	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-hdp_156p-01_02

Disclaimer - The information given in this data sheet is based on the present state of our knowledge & is intended as a general description of our products & their possible applications. Neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Because of the multitude of formulations, production & application conditions, all the above mentioned data have to be adjusted to the circumstances of the processor. As customer use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in any particular application. In addition to that, the legal rights of third parties must always be considered. No liabilities, including those for patent rights, can be derived from this fact for individual cases. It cannot be ruled out that this product contains particles < 0.1 µm. Any user of this product is responsible for determining the suitability of Sudarshan's products for its particular application & to ensure that any proprietary rights & existing laws & legislation are observed.

	Value	Test Method
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
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 HDPE system up to 320 °C.
Light fastness: 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	25 kg paper bags
Packaging	Different types of packaging are available on request

Tds-hdp_156p-01_02

Disclaimer - The information given in this data sheet is based on the present state of our knowledge & is intended as a general description of our products & their possible applications. Neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Because of the multitude of formulations, production & application conditions, all the above mentioned data have to be adjusted to the circumstances of the processor. As customer use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in any particular application. In addition to that, the legal rights of third parties must always be considered. No liabilities, including those for patent rights, can be derived from this fact for individual cases. It cannot be ruled out that this product contains particles < 0.1 µm. Any user of this product is responsible for determining the suitability of Sudarshan's products for its particular application & to ensure that any proprietary rights & existing laws & legislation are observed.