



Product Description

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|---------------------------|---------------------------------|
| 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/cm ³] | typ. 4.5 | acc. to ISO 787-10 |
| Bulk density | [g/cm ³] | typ. 0.8 | |
| Tamped density | [g/cm ³] | typ. 1.4 | acc. to ISO 787-11 |
| Oil absorption | [g/100g] | typ. 20 | acc. to ISO 787-5 |
| Sieve residue 45 µm | [%] | <0.1 | acc. to ISO 787-7 |
| Median D50 | [µm] | typ. 0.6 | 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 |

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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.