TICO® Yellow 622 N

Full Shade	Reduction 1:3 TiO_2

Product Description

TICO® Yellow 622 N is a very red shade yellow with good opacity and excellent fastness properties. In combination with other TICO® Yellow products and nickel - or chrome rutile yellow, the major part of yellow RAL color space can be formulated.

Appearance	Yellow powder

Product Description

	Unit	Value	Test Method
Hue angle [full shade]		70.8	acc. to DIN EN ISO/CIE 11664-4
1/3 SD reduction ratio		1:2.0	acc. to DIN 53235-2

Technical Data

	Unit	Value	Test Method
Density	[g/cm³]	typ. 3.1	acc. to ISO 787-10
Bulk volume	[l/kg]	typ. 0.3	
Specific surface	[m²/g]	typ. 6.6	acc. to DIN ISO 66132
Oil absorption	[g/100g]	typ. 19	acc. to ISO 787-5

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	4 - 5	rating acc. to DIN EN ISO 105-A03
Xylene	4 - 5	rating acc. to DIN EN ISO 105-A03
MEK	4 - 5	rating acc. to DIN EN ISO 105-A03
White spirits	4 - 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: Product was dipped into solvent. Rating with gray scale: 1=poor, 5=excellent.

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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.

	Value	Test Method
Overpainting fastness	4-5	rating acc. to DIN EN ISO 105-A03
Light fastness [full shade]	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 [1/3 SD]	4	acc. to DIN EN ISO 16474-2/DIN EN ISO 20105-A02

Overpainting: Tested in alkyd/melamine system with 30 minutes baking time at 160 °C. Rating with gray scale: 1=poor, 5=excellent.
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.

Application Profile	
Automotive coatings	
General industrial coatings	+++
Plastics	

+++ Excellent choice ++ Good choice + Possible choice

Packaging and Handling	
Packaging	15 kg paper bags

Safety

Product contains diarylide pigments. These pigments should not be used at processing temperatures exceeding 200 °C due to potential cleavage to 3,3'-dichlorobenzidine (DCB) under these conditions.

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