43200 Nickel Titanium Yellow

Universally suitable rutile pigment with maximum fastness properties.

Color Index:	Pigment Yellow 53, C.I. 77788
Chemical composition:	(Ti, Ni, Sb)-Oxide

Technical Information

Physical Data:

Storage:	unlimited storage at dry conditions
pH-Value:	7 - 9
Conductivity:	< 300 µS/cm
Specific surface:	3 m^2/g
Density:	4.5 g/cm^3 (20°C/68°F)
Bulk volume:	1.7 l/kg
Oil absorption:	14 g/100 g Pigment
Dry content:	> 99.8 %
Heat resistance:	500°C (932°F)

Chemical Resistance:

Acid (HCl, 2 %):	5
Alkali (NaOH, 2 %):	5

Fastness to overcoating: 5

Fastness to weathering:

Alkyd/Melamine:	4-5

Resistance to solvents (powder):

Ethanol:	5
Butyl acetate:	5
Methylethyl ketone:	5
Xylene:	5
White spirit:	5
Methoxy-1,2-propanol:	5

Fields of Application:

Baking systems, aqueous systems, acrylic/isocyanate systems, acid-curable systems, amine-curable systems, air-drying systems.

Nickel titanium yellow meets the following regulations:

- CONEG: CONEG Regulations (USA)
- EN: European Toy Regulation EN 71, Part 3 (Type 8081)
- FDA: Food and Drug Administration (USA) 178.3297: 21 CFR § 178.3297 “Colorants for Polymers” (max. amount in polymers 1%).
- FDA: Food and Drug Administration (USA) 170.39: 21 CFR § 170.39 “Threshold of regulations for substances used in food-contact articles” (max. amount in polymers 2%).

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