

Technical Data Sheet

HP YELLOW

C.I.NO. PY83 OPAQUE

Product Description

HP YELLOW 13129 is a bright reddish yellow azo pigment. It has excellent light fastness, heat resistance, solvent fastness properties, it is opaque. It is used to an appreciable extent in most of paints and coatings industries.

Application Recommended

Coatings	
Decorative Solvent Base Paints	Y
Industrial Paints	Y
Automotive OEM	N
Automotive Refinish	N
Decorative Universal Stainers	Y
Decorative Water Base Paints	Y
Powder Coatings	Y

Plastics	
Polyolefins	O
Polystyrene	O
PVC & PVC Leather Cloth	O
EVA	O
ABS	O
Spun Fiber - PP	N
Spun Fiber - Nylon	N
Spun Fiber - PET	N

Recommend : Y Not recommended: N Suitable: O

Printing Inks	
Sheetfed Ink	O
Silkscreen Ink	O
Metal Decorative Ink	O
Polyamide Base Ink	O
NCPU Ink	O
Vinyl Ink	O
Water Base Ink	N
CLPP Base Ink	O
PU Ink	O
NCPA Ink	O

Inkjet inks	
Water Based Inkjet Ink	N
Electrophotographic Toners	N
Solvent Based Inkjet Ink	N
UV Curable Inkjet Ink	N

Product Information

Chemical Type	Disazo	CAS NO.	5567-15-7
C. I. Name	Pigment Yellow 83	EINECS / ELINCS NO.	226-939-8
C. I. Constitution No.	21108	Chemical Formula:	C ₃₆ H ₃₂ Cl ₄ N ₆ O ₈

Technical Performance

	Full Shade	Tint		
Weather Resistance	5	5	Heat Stability °C	200°C
Light Fastness	8	8		

Physical Properties

Physical Form	Powder	Resistance to Acid	5
Specific Density (g/cm ³):	1.50 ± 0.1	Resistance to Alkali	5
Specific Surface (m ² /g):	60		
Oil Absorption	70		
pH Value	5.0 - 7.5		
Volatile Matter	1% max		

Packaging information

25kgs/bag 400kgs/Pallet

Storage Information

Should be stored in cool, dry and ventilate place.

Shelf Life: 5 years

TRANSPORTATION:

Avoid inversion, sunlight, moisture and crash. Avoid damage the package.

- ✓ **Light fastness:** Light fastness rating is assessed on 1 to 8 Blue Wool scale where 1 = 'Poor' and 8 = 'Excellent'.
- ✓ **Heat Stability :** Heat stability values given indicate the maximum temperature at which the pigment can be stored for 10 min. on the full shade and in reductions without undergoing any significant change in shade.
- ✓ **Oil absorption:** The oil absorption is determined on the basis of EN ISO 787-5 and given in g linseed oil per 100 gm. pigment.
- ✓ **Solvent bleeding:** The bleeding in solvents is tested using the powder grades and the visual rating given on 1 to 5 Grey scale where 1 = 'Heavy bleeding' and 5 = 'No bleeding'

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. Due to the multitude of formulations, production & application conditions, all the above mentioned data have to be adjusted to the circumstances of the processor. 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.