

HANGZHOU HANHAO CHEMICAL CO., LTD

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TECHNICAL DATA SHEET

Product Description:

Color Index:	Solvent Yellow 16
C.I.No.	12700
CAS No.	4314-14-1
EC NO.	224-330-1
Chemical Family	Monoazo Series
Chemical Formula	C ₁₆ H ₁₄ N ₄ O

Technical Properties:

The product is yellow oil solvent dye with bright green. It is of good heat resistance, good light resistance, and bright color.

Application: (“☆” Superior, “○” Applicable, “△” Not recommend

PS	HIPS	ABS	PC	RPVC	PMMA	SAN	AS	PA6	PET
☆	○	○	○	○	○	○	○	-	-

Also use in resin, transparent paint, printing ink and aluminum foil etc.

Physical Properties

Density(g/cm3)	Melting Point(°C)	Light fastness (in PS)	Recommended Dosage	
			Transparent	Nontransparent
0.37	160	6-7	0.025	0.05

Light Fastness: Consist of 1st to 8th grade, and the 8th grade is superior, the 1st grade is bad.

The heat resistance in PS can reach to 270℃

Degree of pigmentation: 0.05% dyes+0.1% titanium dioxide R

Solvent yellow 16 solubility in organic solvent at 20℃(g/l)

Acetone	Butyl Acetate	Methylbenzene	Dichloromethane	Ethylalcohol
17.3	28.5	68.2	217.8	4

Note: The above information is provided as guidelines for your reference only. The accurate effects should base on the test results in laboratory.