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TECHNICAL DATA SHEET

Product Description:

Color Index:	Solvent Yellow 114
C.I.No.	47020
CAS No.	1752-45-4/7576-65-0
EC NO.	231-474-9
Chemical Family	Quinoline Series
Chemical Formula	C ₁₈ H ₁₁ NO ₃

Technical Properties:

The product is greenish yellow oil solvent dye. It is high heat resistant, good light fastness and strong fluorescent light.

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

PS	HIPS	ABS	PC	RPVC	PMMA	SAN	AS	PA6	PET
☆	☆	☆	☆	☆	☆	☆	☆	△	☆

Also used in fluorescent ink and guideboard survival suit.

Physical Properties

Density(g/cm3)	Melting Point(°C)	Light fastness (in PS)	Recommended Dosage	
			Transparent	Nontransparent
1.4	502	6-8	0.03	0.1

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 300℃

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

Solvent yellow 114 solubility in organic solvent at 20℃(g/l)

Acetone	Butyl Acetate	Methylbenzene	Dichloromethane	Ethylalcohol
0.5	0.4	/	5	0.1

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