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TECHNICAL DATA SHEET

Product Description:

Color Index:	Solvent Orange 63
C.I.No.	68550
CAS No.	16294-75-0
EC NO.	240-385-4
Chemical Family	Anthraquinone Series
Chemical Formula	C ₂₃ H ₁₂ OS

Technical Properties:

The product is fluorescence orange oil solvent dye, with good light fastness and migration resistance. It has bright color in plastic.

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

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

Mainly used in coloring of polystyrene, ABS resin, polymethylmethacrylate, resin, estron, unplasticized pvc and other plastics, also used in coloring of estron, caprone and terylene etc.

Physical Properties

Density(g/cm3)	Melting Point(°C)	Light fastness (in PS)	Recommended Dosage	
			Transparent	Nontransparent
1.49	314	6-7	0.02	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 300℃

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

Solvent orange 63 solubility in organic solvent at 20℃(g/l)

Acetone	Butyl Acetate	Methylbenzene	Dichloromethane	Ethylalcohol
1	1	0.3	0.5	0.5

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