

HANGZHOU HANHAO CHEMICAL CO., LTD

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TECHNICAL DATA SHEET

Product Description:

Color Index:	Solvent Orange 86
C.I.No.	58050
CAS No.	81-64-1/103220-12-8
EC NO.	201-368-7
Chemical Family	Anthraquinone Series
Chemical Formula	C ₁₄ H ₈ O ₄

Technical Properties:

The product is orange-red powder, with good temp resistance and 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
☆	○	○	○	○	○	○	○	-	-

Also used in resin and other light industrial products etc.

Physical Properties

Density(g/cm3)	Melting Point(°C)	Light fastness (in PS)	Recommended Dosage	
			Transparent	Nontransparent
1.53	180	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 300℃

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

Solvent orange 86 solubility in organic solvent at 20℃(g/l)

Acetone	Butyl Acetate	Methylbenzene	Dichloromethane	Ethylalcohol
10	6	13	25	1

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