

# HANGZHOU HANHAO CHEMICAL CO., LTD

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## TECHNICAL DATA SHEET

### Product Description:

Color Index:	Solvent Orange 2
C.I.No.	12100
CAS No.	2646-17-5
EC NO.	220-168-8
Chemical Family	Monoazo Series
Chemical Formula	C <sub>17</sub> H <sub>14</sub> N <sub>2</sub> O

### Technical Properties:

With deep reddish shade and transparent. With good heat resistance, 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 oil products, printing ink, smoke dye and stationery, etc

### Physical Properties

Density(g/cm3)	Melting Point(°C)	Light fastness (in PS)	Recommended Dosage	
			Transparent	Nontransparent
0.39	127	5-6	0.025	0.05

**Light Fastness:** Consist of 1<sup>st</sup> to 8<sup>th</sup> grade, and the 8<sup>th</sup> grade is superior, the 1<sup>st</sup> grade is bad.

**The heat resistance in PS can reach to 220℃**

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

### Solvent orange 2 solubility in organic solvent at 20℃(g/l)

Acetone	Butyl Acetate	Methylbenzene	Dichloromethane	Ethylalcohol
36.3	46.6	111.4	322.7	17.1

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