



Loyal Chemical

HANGZHOU LOYAL CHEMICAL TECHNOLOGY CO., LTD.

Plant: Linjiang Industrial Park Xiaoshan District Hangzhou China

Office: 403, A Block, Nice Hi-Tech Park, 1117-2, Youyi Road, Guali Town, Xiaoshan, Hangzhou, China

Tel: +86 (0571) 82551299

Fax: +86 (0571) 82522228

TECHNICAL DATA SHEET

PRODUCT NAME	PERMANENT ORANGE G
CHEMICAL NATURE	DISAZO
CHEMICAL FORMULAR	$C_{32}H_{24}Cl_2N_8O_2$
COLOR INDEX NAME	PIGMENT ORANGE 13 (21110)
CAS NO.	3520-72-7
STRENGTH	100±2%
<u>PHYSICAL PROPERTIES</u>	
PH AQUEOUS EXTRACT	6.0-7.0
RESIDUE ON SIEVE (100 um)	≤3.0%
WATER SOLUBLE MATTER	≤2.5%
SOLUBLE IN WATER	INSOLUBLE
ODOUR	NONE
PHYSICAL FORM	DRY ORANGE POWDER
SPECIFIC GRAVITY	1.50g/cm ³
OIL ABSORPTION	≤45g/100g
VOLATILE AT 105°C	<3.0%
<u>FASTNESS PROPERTIES</u>	
LIGHT FASTNESS	4
HEAT FASTNESS	180°C
WATER RESISTANCE	4
OIL RESISTANCE	4
ACID RESISTANCE	4
ALKALI RESISTANCE	4
<u>TECHNICAL PROPERTIES</u>	
Reddish shade, semi-transparent, high glossy, low viscosity.	
<u>APPLICATION</u>	
It's mainly used for offset inks, textile printing and PE. Suggested for PA inks, NC inks, PP inks, water based inks, Industrial paint and water based decorative paint.	
<u>NOTE</u>	
The above information is provided as guidelines for your reference only. The accurate effects should be based on the test results in laboratory.	