

TECHNICAL SPECIFICATION OF ORANGE : 13

- **PRODUCT :**

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|------------------------|------------------------------------|
| (a) NAME | : Permanent Orange-G |
| (b) CHEMICAL CLASS | : Dia Azo Pigment Pyrazolon Orange |
| (c) CHEMICAL TYPE | : Organic |
| (d) COLOR INDEX NAME | : Pigment Orange : 13 |
| (e) COLOR INDEX NUMBER | : 21110 |
| (f) CAS NO. | : 3520-72-7 |

- **PHYSICAL PROPERTIES :**

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|------------------------------|------------|
| (a) SPECIFIC GRAVITY (20' C) | : 1.5 |
| (b) OIL ABSORPTION | : 37 cc. |
| (c) SIEVE RESIDUE (350 mesh) | : 1 % max. |
| (d) MOISTURE CONTENT | : 1 % max. |
| (e) WATER SOLUBLE | : 1 % max. |
| (f) PH OF EQUQUEOUS Soln | : 7 |

- **HEAT RESISTANCE :**

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|-------------------------------|-----------------|
| (a) 120 Centi. for 30 mimutes | : Stable |
| (b) 150 Centi. for 20 mimutes | : Stable |
| (c) 180 Centi. for 10 minutes | : Tends to dark |

- **FASTNESS PROPERTIES : (1- 5 Scale : 1 Poor - 5 Excellent)**

Water	: 5	Acetone	: 4-5
Linseed Oil	: 5	Ethanol	: 4-5
Butanol	: 5	Methyl Ethyl Ketone	: 3
Xylene	: 3	Menaral Turpentine	: 5
Butyl Acetate	: 4-5	5% Soap Soln	: 4-5

- **LIGHT FASTNESS : (1 - 8 Scale : 1 Very low - 8 Outstanding)**

25% Shade : 5 10% Shade : 4-5 5% Shade : 3

- **APPLICATIONS :**

Textile, Paint, Printing ink, Plastics, Rubber, Soap, Cement Color etc.

- **HAZARDOUS INGREDIENTS :** None

- **NOTES :** This technical information is offered for guidance but without guarantee.