

DUWA[®] Permanent Red R-148D

Organic BONA Red Pigment Lakes

C.I. Pigment Red 48:4

C.I. No. 15865:4

Product Description

DUWA[®] Permanent Red R-148D is an organic BONA red pigment lake containing manganese salt. It is characterized by excellent tinctorial strength, and versatility. It is fast to many organic solvents, but it has poor fastness towards soap, acid, and alkali. It is a fine bluish-red (magenta) powder with the following properties:

Table 1
Physical Properties of Pigment Powder

DUWA [®] Permanent Red R-148D	
Property	
Density, g/cm ³	1.9
Bulk Volume, ml/g	5.90
pH Value	6.0 ~ 7.0
Oil Absorption, g/100g	43
Moisture Content, max, %	0.5
Total Matter Soluble in Water, max, %	0.5
Residue on 325 Mesh Sieve, max, %	0.5
Tinting Strength	5
Hiding Power	5

Note: All values are typical unless otherwise stated.

Table 2
Fastness Properties in Coatings

DUWA [®] Permanent Red R-148D		
Fastness to Weathering	Full Shade	-
	Tinting Shade	-
Fastness to Light	Full Shade	5 ~ 6
	Tinting Shade	3 ~ 4
Overspray Fastness	Nitrocellulose	4
	Enamel	4
	Stoving Enamel	4

Note: All values are typical unless otherwise stated.

Table 3
Resistance Properties in Coatings

DUWA [®] Permanent Red R-148D		
Resistance to Solvents	Water	3 ~ 4
	Ethyl Alcohol	4
	Buthyl alcohol	4
	Cellosolve	4
	Ethyl Acetate	4
	M.E.K.	3
	Xylene	3
	Mineral Spirit	4
	Dibuthyl Phtalate	4 ~ 5
	Glycol	4 ~ 5
	Linseed Oil	4 ~ 5
Resistance to Chemicals	Lard	4 ~ 5
	Paraffin Wax	4 ~ 5
	Acid (2% HCl)	2
	Alkali (2% NaOH)	3
Heat Resistance	Detergent	3
	Soap	4
	165°C/ 15 min (Paint)	5
	150°C/ 20 min (Paint)	5
	120°C/ 45 min (Paint)	5
	220°C/ 5 min (Plastic)	5
240°C/ 5 min (Plastic)	4	
260°C/ 5 min (Plastic)	4	

Note: All values are typical unless otherwise stated.

Applications

- Gravure Printing Inks
- Flexographic Printing Inks
- Offset Printing Inks
- Emulsions Paints
- Polyolefin Plastics and PP Spin Dyeing
- Industrial Paints (Limited Use)