

DUWA[®] Phthalocynine Blue B-153

Organic Copper Phthalocyanine Blue Pigment

C.I. Pigment Blue 15:3

C.I. No. 74160

Product Description

DUWA[®] Phthalocynine Blue B-153 is an organic phase-stabilized β -copper phthalocyanine blue pigment characterized by excellent lightfastness and weatherfastness, superior migration fastness, high heat stability, good fastness towards flocculation, excellent rheological properties, and high tinctorial strength. It is a fine dark blue powder with the following properties:

Table 1
Physical Properties of Pigment Powder

DUWA [®] Phthalocynine Blue B-153	
Property	
Density, g/cm ³	1.6
Bulk Volume, ml/g	4.4
pH Value	6.0 ~ 7.0
Oil Absorption, g/100g	40
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 [®] Phthalocynine Blue B-153		
Property		
Fastness to Weathering	Full Shade	5
	Tinting Shade	5
Fastness to Light	Full Shade	7 ~ 8
	Tinting Shade	7 ~ 8
Overspray Fastness	Nitrocellulose	5
	Enamel	
	Stoving	5
	Enamel	

Note: All values are typical unless otherwise stated.

Table 3
Resistance Properties in Coatings

DUWA [®] Phthalocynine Blue B-153		
Property		
Resistance to Solvents	Water	5
	Ethyl Alcohol	5
	Buthyl alcohol	5
	Cellosolve	5
	Ethyl Acetate	5
	M.E.K.	5
	Xylene	5
	Mineral Spirit	5
	Dibuthyl Phtalate	5
	Glycol	5
Resistance to Chemicals	Linseed Oil	5
	Lard	5
	Paraffin Wax	5
	Acid (2% HCl)	5
	Alkali (2% NaOH)	5
Heat Resistance	Detergent	5
	Soap	5
	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)	5
	260°C/ 5 min (Plastic)	4

Note: All values are typical unless otherwise stated.

Applications

- Gravure and Flexographic Printing Inks
- Emulsion Paint and Industrial Paints
- Over-drying Paint
- Baking Enamel
- Lacquers
- PVC and Polyolefin Plastics