

DUWA[®] Phthalocynine Green G-007

Organic Phthalocyanine Green Pigment

C.I. Pigment Green 7

C.I. No. 74260

Product Description

DUWA Phthalocynine Green G-007 is an organic phthalocyanine green pigment characterized by excellent lightfastness and weatherfastness, superior migration fastness, high heat stability, excellent fastness towards flocculation, excellent rheological properties, good overall stability towards organic solvents, and high tinctorial strength. It is a fine green powder with the following properties:

Table 1

Physical Properties of Pigment Powder

DUWA [®] Phthalocynine Green G-007		
Property		
Density, g/cm ³		2.2
Bulk Volume, ml/g		3.6
pH Value		6.0 ~ 7.0
Oil Absorption, g/100g		40
Moisture Content, max, %		1.0
Total Matter Soluble in Water, max, %		1.0
Residue on 325 Mesh Sieve, max, %		1.0
Tinting Strength		5
Hiding Power		5

Note: All values are typical unless otherwise stated.

Table 2

Fastness Properties in Coatings

DUWA [®] Phthalocynine Green G-007		
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	5
	Stoving	5
	Enamel	5

Note: All values are typical unless otherwise stated.

Table 3

Resistance Properties in Coatings

DUWA [®] Phthalocynine Green G-007		
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
	Linseed Oil	5
Lard	5	
Paraffin Wax	5	
Resistance to Chemicals	Acid (2% HCl)	5
	Alkali (2% NaOH)	5
	Detergent	5
	Soap	5
Heat Resistance	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)	5	

Note: All values are typical unless otherwise stated.

Applications

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