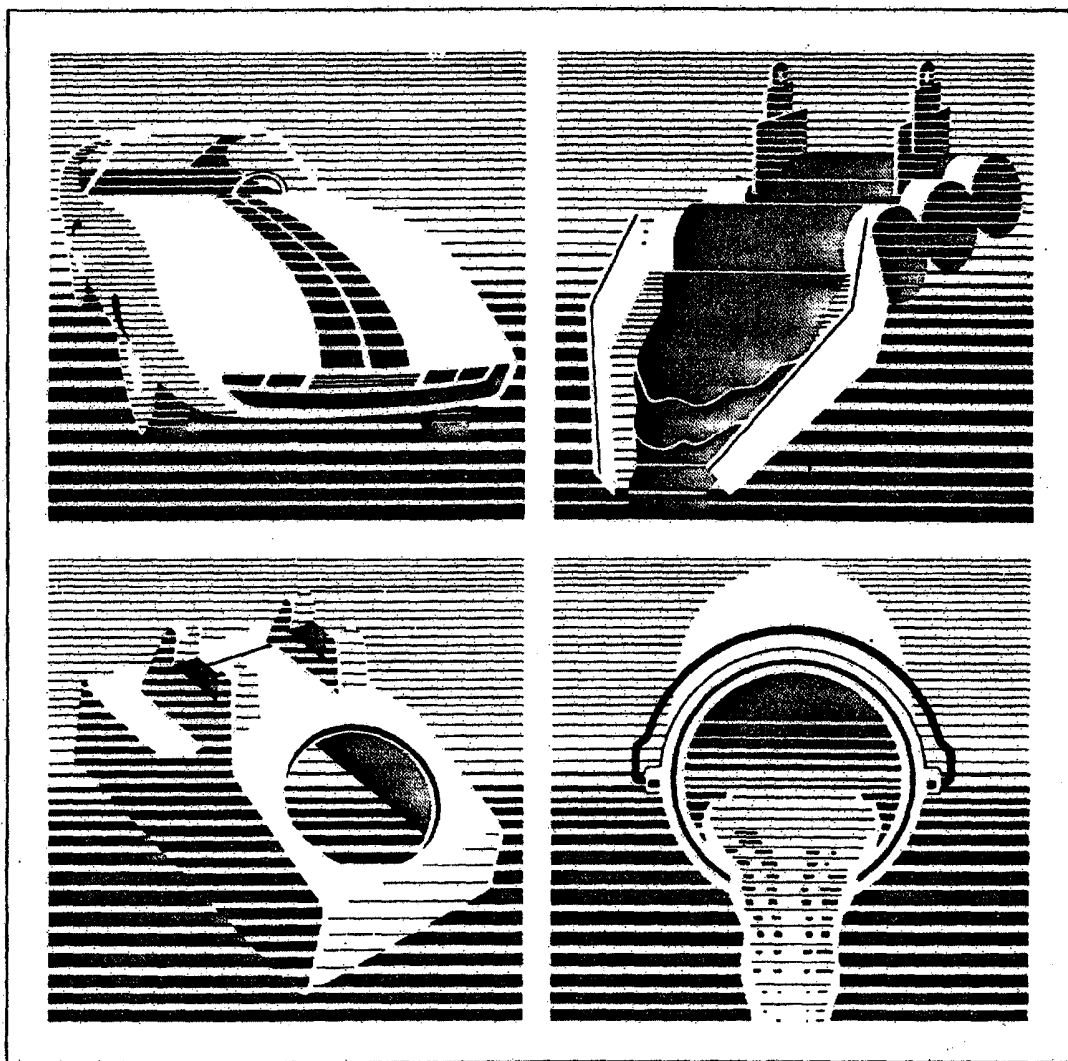


Monastral® Green Pigments



Cover printed with GT 15 D.

751



E.I. du Pont de Nemours & Co. (Inc.)

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Introduction

Du Pont Monastral® Green pigments have a broad color range, excellent working properties and excellent durability. They provide the color formulator with the means to satisfy the majority of needs for green pigmentation in many systems. Exhibits in this bulletin show how they look in metallic and tint applications.

Du Pont's Monastral® Green pigment line is composed of:

Monastral® Green B GT-674-D-C.I. Pig. Green 7 C.I. No. 74260	Blue shade, general purpose green
Monastral® Green G GT-751-D-C.I. Pig. Green 7 C.I. No. 74260	An intermediate shade green, recommended as a general purpose grade except for plastics
Monastral® Green G GT-829-D-C.I. Pig. Green 7 C.I. No. 74260	An intermediate shade green with excellent dispersibility in plastics
Monastral® Green Y GT-860-D-C.I. Pig. Green 36	A polychlorobromo CPC green, very yellow shade general purpose
Aquis® Green GW-951-P C.I. Pig. Green 7 C.I. No. 74260	A high solids intermediate shade green aqueous dispersion of GT-751-D

Applications

The dry toners: Monastral® Green B GT-674-D, Green G GT-751-D, and Green Y GT-860-D are recommended for use in automotive systems, industrial and trade sales paints, as well as in inks and plastics (except GT-751-D). Because of its excellent dispersibility GT-829-D is the recommended intermediate shade green for plastics.

The broad range of Du Pont's phthalocyanine greens offer many color possibilities for automotive finishes, trade sale and industrial paints, plastic and ink applications. These applications are supported by

the excellent durability, heat stability and chemical and bleed resistance of these pigments.

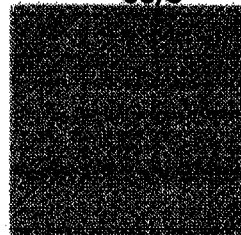
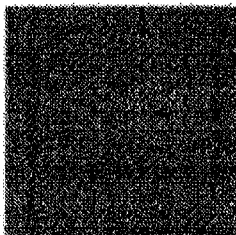
The intermediate shade high solids dispersion, Aquis® Green GW-951-P, offers considerable color versatility. It can be blended with blue aqueous dispersions such as Aquis® Blue BW-372-P or BW-431-P to match bluer shade greens for trade sales applications. For example, a good starting point match for Aquis® Green GW-749-P can be obtained with a 93/7 blend (weight basis) of GW-951-P/BW-372-P or a 95/5 blend (weight basis) of GW-951-P/BW-431-P.

Aquis® Green G GW-951-P in Emulsion Paint

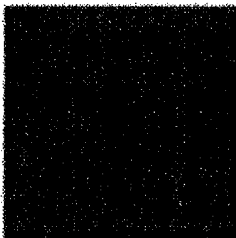
GW-951-P/Ti-Pure®

GW-951-P/BW-431-P
95/5

1/99 Color/TiO₂



10/90 Color/TiO₂



Typical Physical Properties of Monastral® Green

Monastral® Green B GT-674-D

Specific Gravity	2.1
Bulking Value	
gal/lb	0.057
L/kg	0.478
pH (aqueous slurry)	8.0
Moisture Content, %	<1
Oil Absorption	
lb/100 lb	34
g/kg	340

Aquis® Green G GW-951-P

% Solids	51
Specific Gravity	1.3
Bulking Value	
gal/lb	0.090
L/kg	0.750
pH (dispersion)	9.0-10.5

Monastral® Green G GT-751-D

Specific Gravity	2.2
Bulking Value	
gal/lb	0.055
L/kg	0.456
pH (aqueous slurry)	7.0
Moisture Content, %	<1
Oil Absorption	
lb/100 lb	34
g/kg	340

Monastral® Green Y GT-860-D

Specific Gravity	2.9
Bulking Value	
gal/lb	0.041
L/kg	0.346
pH (aqueous slurry)	7.0
Moisture Content, %	<1
Oil Absorption	
lb/100 lb	28
g/kg	280

Monastral® Green G GT-829-D

Specific Gravity	2.15
Bulking Value	
gal/lb	0.056
L/kg	0.467
pH (aqueous slurry)	7.0
Moisture Content, %	<1
Oil Absorption	
lb/100 lb	24
g/kg	240

Note: GT-829-D and GT-751-D are equal in hue.

Typical Working Properties*

Bleed Resistance	Excellent
Chemical Resistance	Excellent
Lightfastness	Good to Excellent
Dispersibility	Good
Heat Resistance	Excellent
Flocculation Resistance	Excellent
Transparency	Good to Excellent
Migration	None

*The typical proportions listed above are based on historical production performance and on typical product performance in some, but not all, commonly used application systems. Du Pont does not make any express or implied warranty that the commercial product will have the typical properties listed above or that it will perform as shown in all end-use application systems. This product is standardized for strength, hue and intensity. Shipments will be substantially similar to a mutually agreed upon standard.

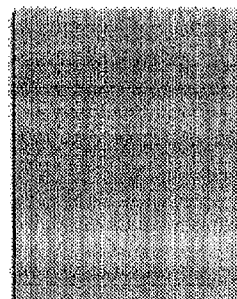
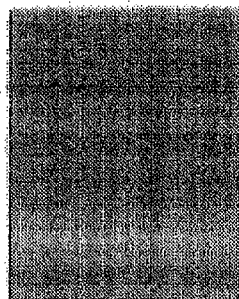
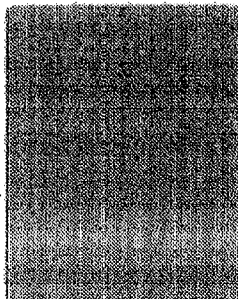
Du Pont Monastral® Green Toners in Thermosetting Acrylic Enamel

**Monastral® Green B
GT-674-D**

**Monastral® Green G
GT-751-D**

**Monastral® Green Y
GT-860-D**

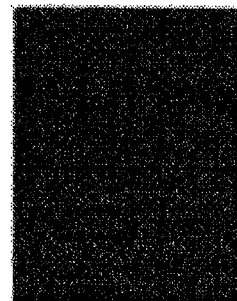
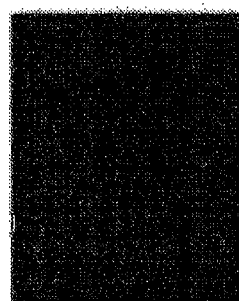
2/98 Color/TiO₂



30/70 Color/TiO₂

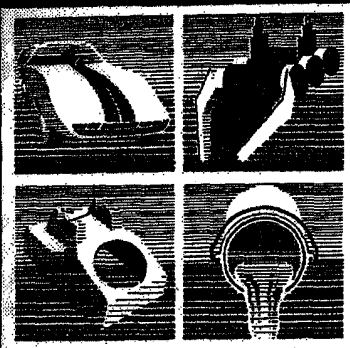


30/70 Color/Al.

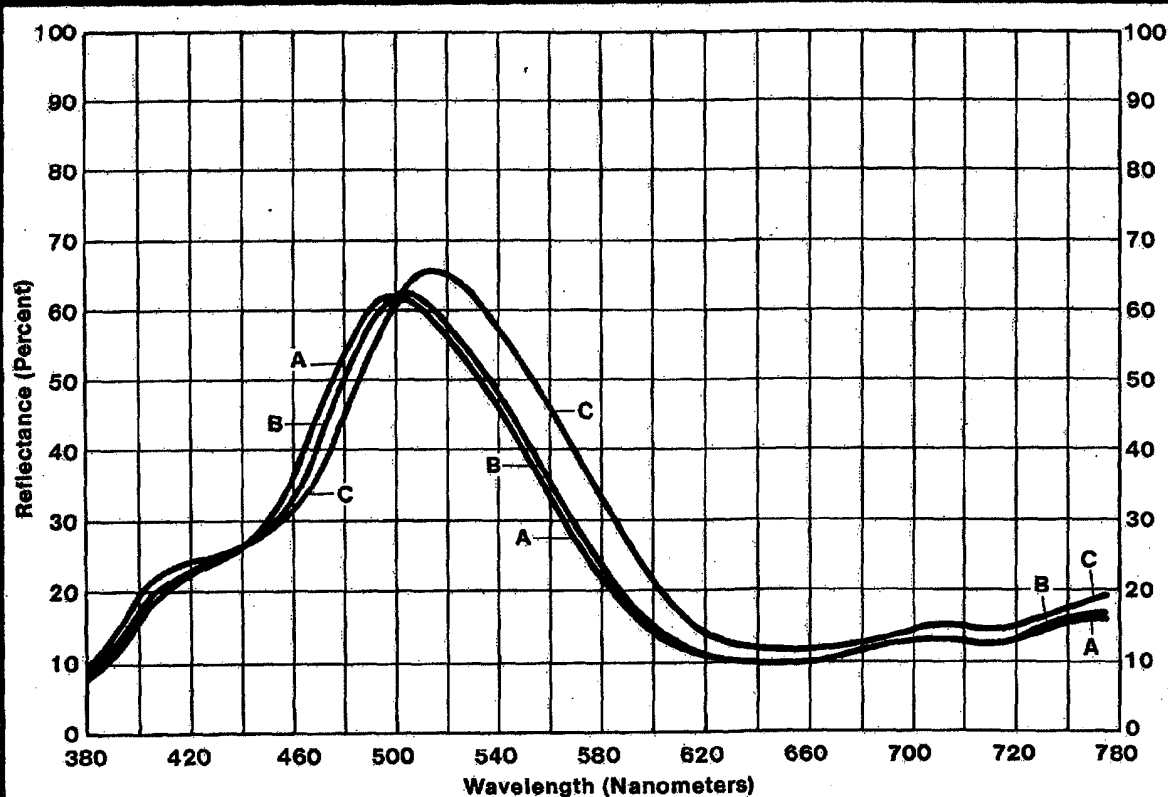


70/30 Color/Al.





Du Pont Monastral® Green Pigments



Monastral® Green with Ti-Pure® Rutile Titanium Dioxide R-960

A - Green B, GT-674-D/R-960 10/90
B - Green G, GT-751-D/R-960 10/90
C - Green Y, GT-860-D/R-960 10/90

Monastral® Green LAB Values

	L	A	B
GT-674-D	64.31	-52.74	1.63
GT-751-D	63.39	-51.01	-1.94
GT-860-D	69.89	-52.32	12.95

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Monastral® Green Pigments

