

*Rely on us.*SM

A L K A L I

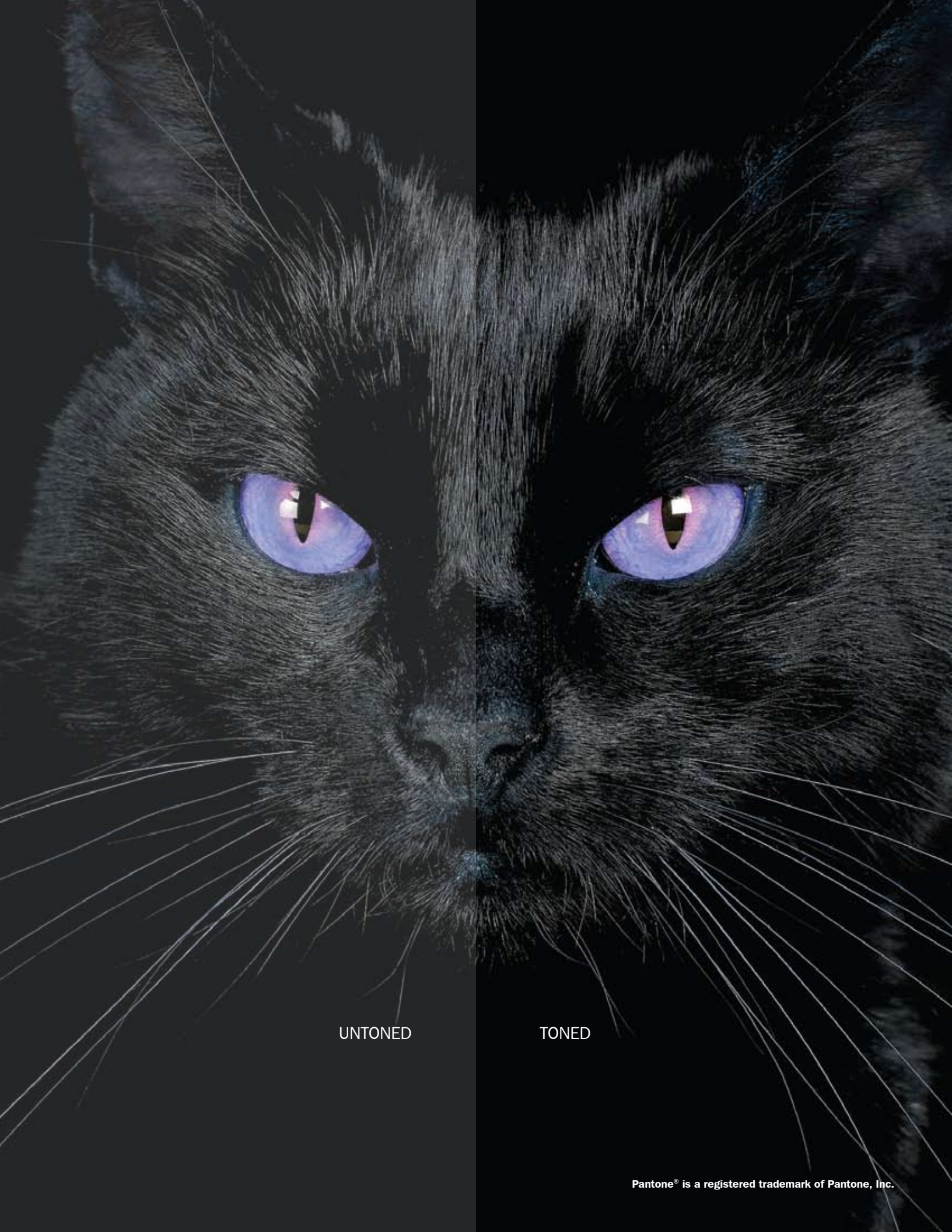
blue

Cobalt, indigo, royal, sapphire, ocean, electric, true. . .

*whatever you
call it, we've
got your blue.*



FlintGroup
Pigments



UNTONED

TONED

With unparalleled strength, PRINT Alkali Blue pigments produce the richest black inks and brilliant red-shade blues in color matching systems.

A L K A L I

blue

PRINT Alkali Blue pigments belong to the triphenyl methane pigment class. They are high in strength which makes them effective for toning black heat set, sheetfed and coldset printing inks. When toning carbon black with PRINT Alkali Blue, it is possible to achieve aesthetically appealing deep shades. Red-shade grades are preferred for this purpose.

PRINT Alkali Blue is also used in color matching systems (Pantone®, HKS, etc.). An important coloristic standard in color matching systems is a brilliant red-shade blue produced with PRINT Alkali Blue. Green-shade grades are preferred for this purpose.

The Most Advanced Alkali Blue

PRINT Alkali Blue Product Range 3

Viscosity, specific gravity, VOC and more for all flush and powder products.

Powders

PRINT Alkali Blue comes in traditional powder formulations for customary printing applications.

- Coloristic Properties in White Reduction 4

Flush Products

Customers can choose from standard paste flushes or more technologically advanced fluid flushes. Fluid flush products offer numerous performance benefits and produce more stunning, striking results.

- Coloristic Properties in White Reduction 5

- Viscosity 6

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Unique Packaging Options 8

Flint Group Pigments offers many packaging options for both powders and flush products.

Physical Form Powder or flush paste

Storage Powder grades have practically unlimited shelf life if kept dry. Flush pastes should be stored in cool conditions, approximately 25°C (75°F). Flush should be used within one year from the date of manufacture.

PRINT Alkali Blue Range (Color Index: Pigment Blue 61)

Properties	Viscosity (Range in Poise)	Specific Gravity	VOC (EPA Method 24A)	
Flush Products				
61FH6110	Red shade, pumpable	200 – 400	1.102	22.3
61FH6115	Red shade, fluid flush	50 – 125	0.988	23.52
61FH6125	Red shade, fluid flush	50 – 150	0.981	28.08
61FH6127	Red shade, fluid flush	50 – 150	0.995	32.7
61MM6130	Red shade, universal grade	300 – 700	1.029	24.58
61FQ6150	Red shade	200 – 400	1.039	14.05
61FQ6170	Red shade	2000 – 4000	1.028	19.55
61FH6189	Red shade	300 – 550	0.94	24.56
61MM6190	Red shade, universal grade	700 – 1000	1.026	21.61
61FH6193	Red shade	400 – 700	0.97	15.45
61FQ6194	Red shade	300 – 550	0.99	0.55
61FQ6198	Red shade	180 – 250	1.00	0.61
61FQ6199	Red shade	300 – 700	1.00	0.88
61FQ6220	Green shade	2000 – 3500	1.039	19.57
61FH6222	Green shade, fluid flush	50 – 125	0.990	33.52
61MM6240	Green shade, universal grade	1800 – 2800	1.033	19.16
61FQ6260	Green shade	1000 – 2000	1.041	9.92
61FQ6280	Green shade	850 – 1050	0.99	0.73
61FH6283	Green shade	350 – 500	0.95	23.05
61FH6284	Green shade	1300 – 1800	0.95	23.84
61FQ6290	Green shade	1200 – 1500	1.005	15.18
Powder Products				
61DT6100	Red shade, low dusting	N/A	10.0254*	N/A
61DT6101	Red shade	N/A	10.0254*	N/A
61DT6154	Red shade	N/A	10.0254*	N/A
61DT6200	Green shade	N/A	10.0254*	N/A

Test Formulas for Coloristic Properties:

	Flush Products	Powder Products
White reduction	0.1 parts Alkali Blue paste 10.0 parts standard white paste	0.1 parts Alkali Blue paste 10.0 parts standard white paste
Ink formulations	20 parts Alkali Blue flush 80 parts offset varnish	8 parts Alkali Blue powder 92 parts offset varnish

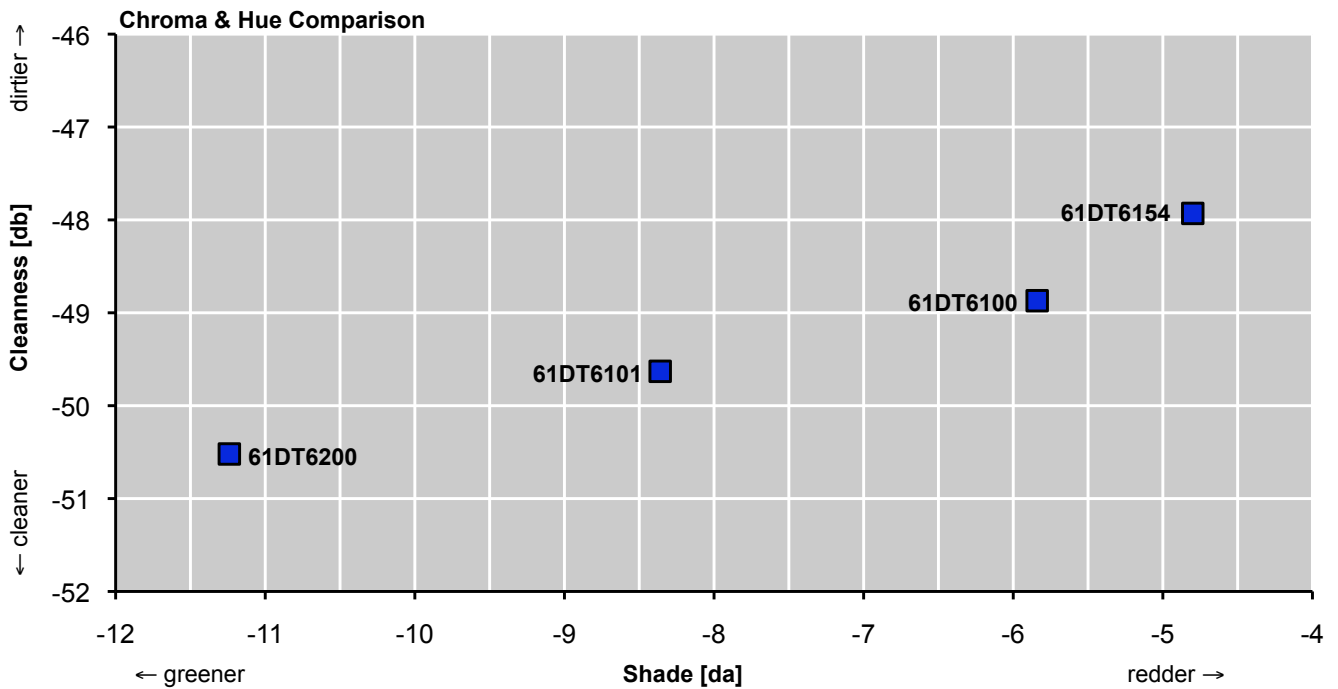
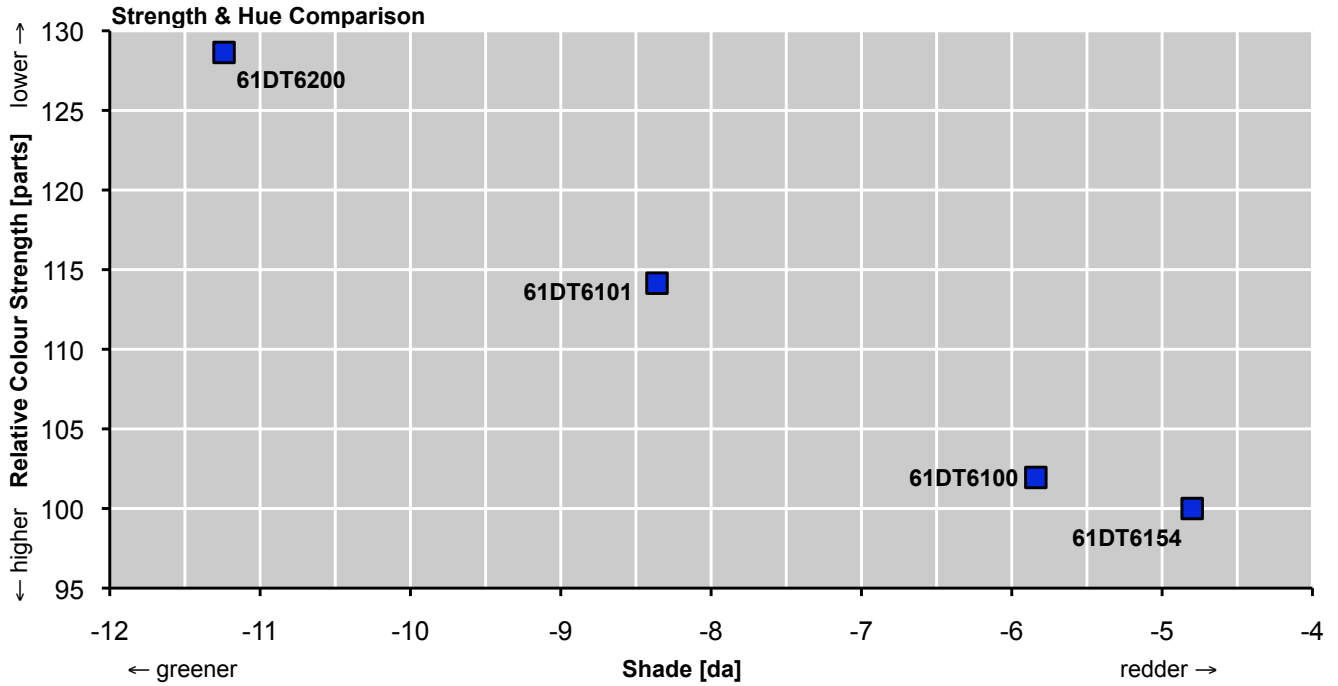
Full shade print at a coating density of 1.25 g/m².

Tinting strength, hue, chroma and viscosity data for each grade are given in the following charts. Note that the values given are relative as they depend on the individual test parameters used.

*Bulk Density (lb/gal)

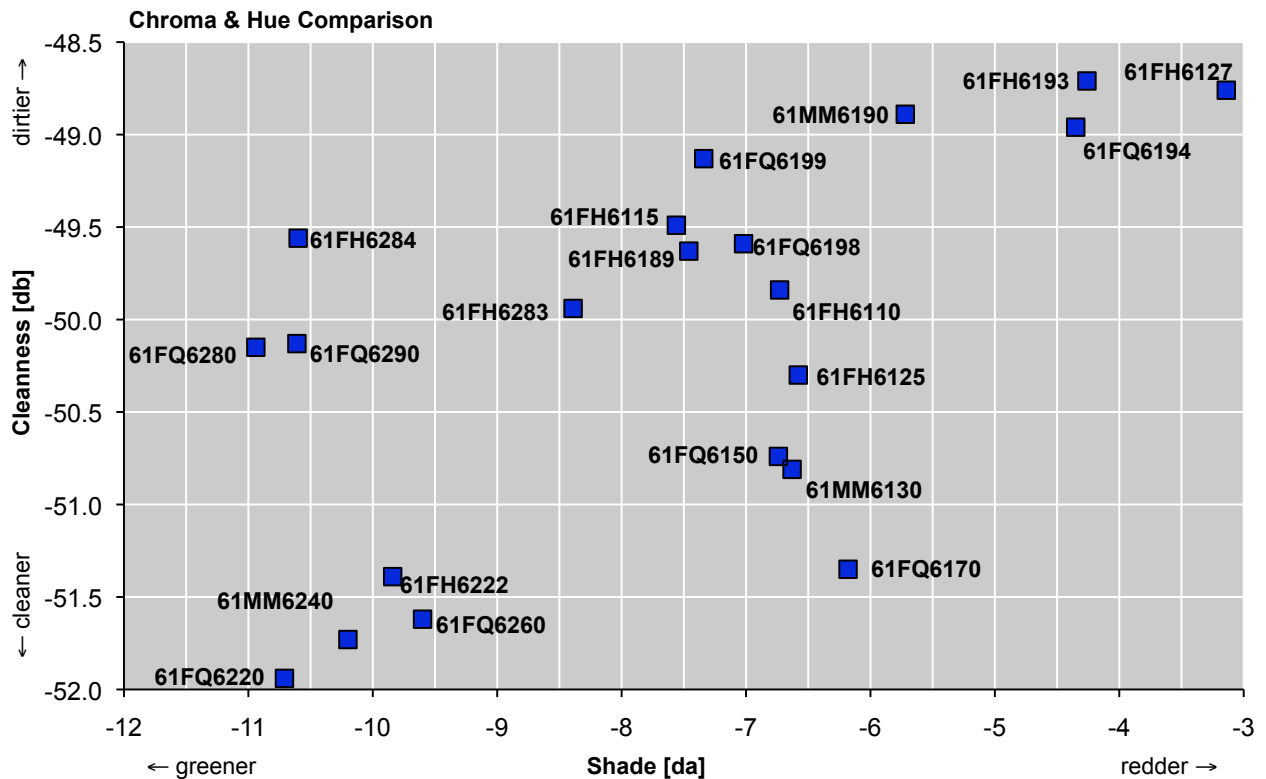
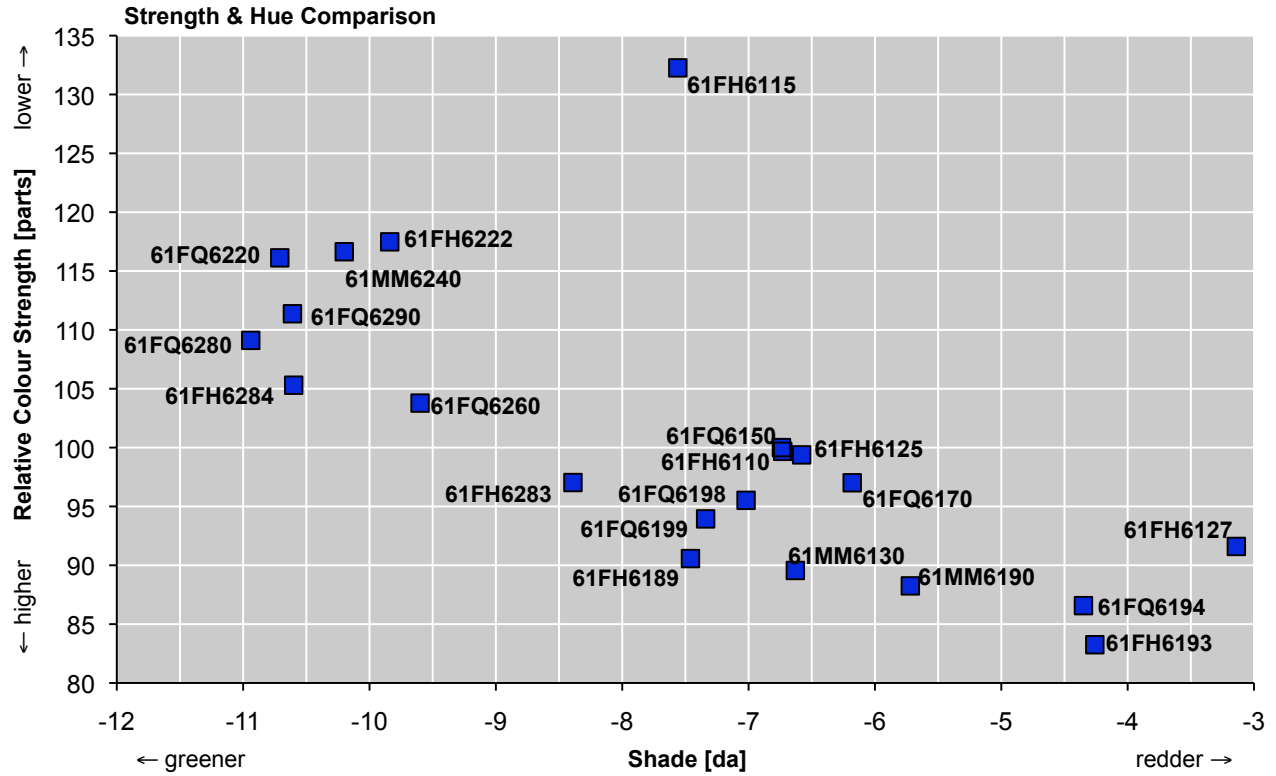
Print Alkali Blue Powders

Coloristic Properties in White Reduction

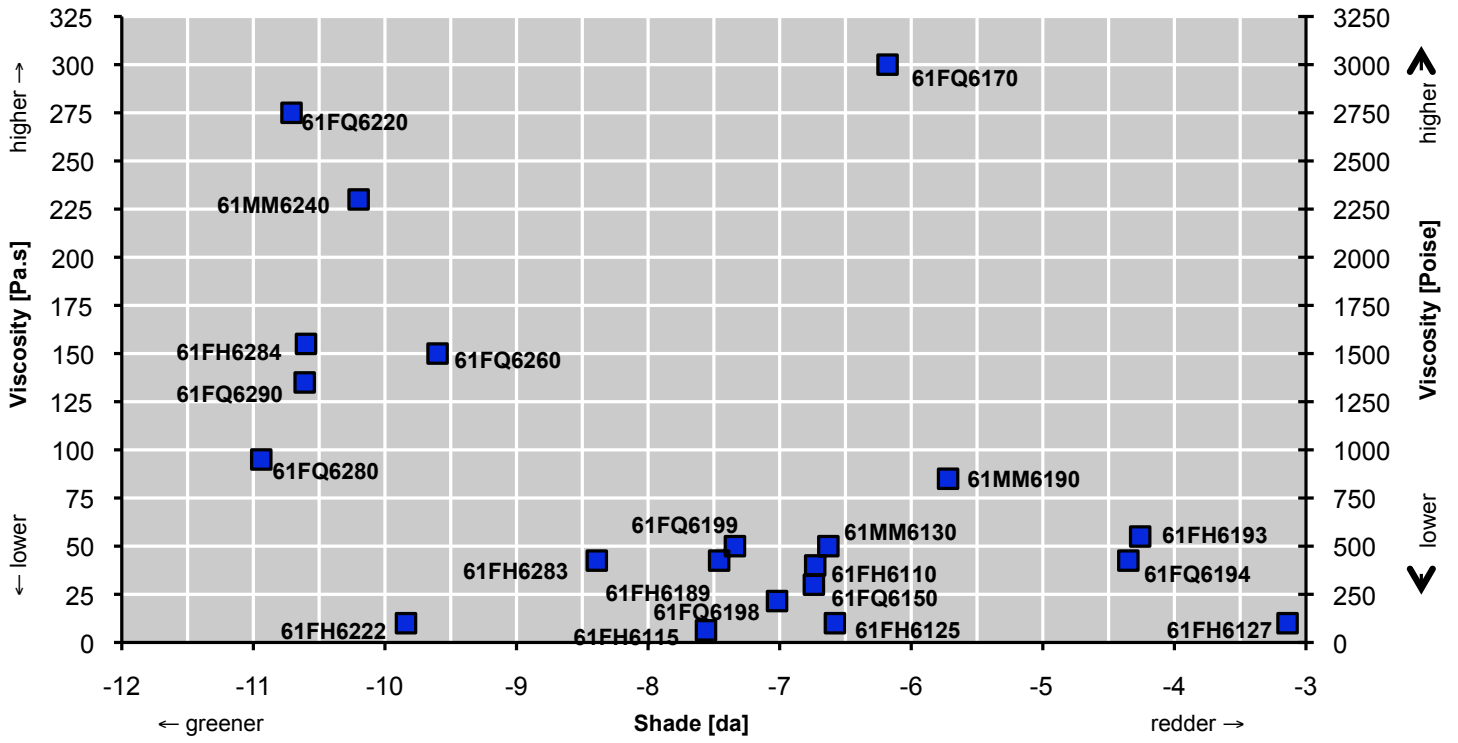


Print Alkali Blue Flush

Coloristic Properties in White Reduction



Print Alkali Blue Flush Viscosity



Viscosity measured using a 2° cone and plate viscometer

Print Alkali Blue Fastness Properties

	Light	Water	Acid	Alkali	Soap	Butter	NC Solvent	Temperature Resistance 30 min/130°C
Flush	3	5	5	1	4	2	2-3	5
Powder	3	5	5	1	4	2	2-3	5

Scale: 1 = Poor
5 = Excellent

There are no significant differences in the fastness properties of the individual grades. Fastness was tested on a proof print at about 7% solids, which is equivalent to about 1/1 standard depth of shade.

Safety

According to the experience we have gained over many years and other information at our disposal, PRINT Alkali Blue pigments are not harmful to health, provided that they are used properly, due attention is given to the precautions necessary for handling chemicals, and the information and advice given in our Safety Data Sheets are observed.

Note

This information is based on our best knowledge and experience. Since we do not have control over the exact use of our products or other factors that may affect your specific process and application, our providing this data does not relieve you of the responsibility of carrying out your own tests and experiments prior to use. Therefore, we make NO WARRANTY, EITHER OF MERCHANTABILITY OR OTHERWISE ABOUT THE FITNESS OF OUR PRODUCTS FOR A PARTICULAR APPLICATION. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

Print Alkali Blue Unique Packaging Options

Product	Kit 50 Kg	Drum ⁵ 204 Kg	Bulk Container 955 Kg	Paper Sack 3 x 10 Kg	Super Sack 300 Kg
FLUSH					
61FH6110	●	●			
61FH6115		● ¹	●		
61FH6125		● ²	● ³		
61FH6127		● ²	● ⁴		
61MM6130	●	●			
61FQ6150	●	●			
61FQ6170	●	●			
61MM6190	●	●			
61FQ6220	●	●			
61FH6222		● ²			
61MM6240	●	●			
61FQ6260	●	●			
61FQ6290	●	●			
61FH6189	●	●			
61FH6193	●	●			
61FQ6194	●	●			
61FQ6198	●	●	●		
61FQ6199	●	●			
61FQ6280	●	●			
61FH6283	●		●		
61FH6284	●	●			
POWDER					
61DT6100				●	●
61DT6101				●	●
61DT6154				●	●
61DT6200				●	●

¹ Weight for this product is 190 Kg per drum
² Weight for this product is 200 Kg per drum
³ Weight for this product is 935 Kg per container
⁴ Weight for this product is 900 Kg per container
⁵ Both chimed and straight-sided drums are available

Kits, drums, bulk containers, paper sacks, super sacks. . .



Flint Group Pigments Delivers The Most Advanced Alkali Blue.

Rely on us.



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