

# KUGLER COLORS \*\* *by Friedrich*

Kugler Colors are available in a variety of transparent and opaque colors. 125 colors are currently available, this includes a variety of reducing colors. Each rod weighs approximately 0.65 kilos. Kugler Colors are also available in frits and powders for an additional \$2.25/kg; for -00P frit add \$4.50/kg. All Q-Colors, Kugler, Wiesenthal, CR-Colors and FA Powders may be combined for quantity discounts. Part numbers listed are for rod. To order frits and powders, add -0, -1, -2, or -3 for frits and -0P for powder to the end of the rod part number. For Example: K-2 = Rod, K-2-0P = powder, K-2-0 = size 0 frit. Kugler 00P's are generally special order items. Size 4 & 5 are special order sizes.

We have arranged each color in the list below from Light to Dark. The lightest colors are on the top of the list and the darker colors are on the bottom. This a general guide for selection only. It can be helpful in choosing colors when, for example, you want to know whether a particular color is lighter or darker than another color - just look above or below the color, the one on top is generally LIGHTER and the one below is generally DARKER.

The following Kugler colors strike after reheating. You will see the true color only after heating the glass:

**Transparents:** REDS: 2, 3, 5, 6, 8, 15, 140, 141, 142, 231, 232  
 BLUES: 12, 13, 14, 105,  
 YELLOWS: 19, 20, 212, 218, 220  
 VIOLETS: 10, 11, 107,  
 BROWNS: 215

**Opagues:** REDS: 67, 68, 69, 121, 125, 216  
 BLUES: 83, 92  
 VIOLETS: 63, 65, 66, 88, 96, 97, 98, 150, 151, 152  
 BROWNS: 130, 134, 162, 164, 168, 223, 224

New Plastic storage jars available, see page 173. Color charts may be viewed on our web page at [CRLOO.COM](http://CRLOO.COM).

## QUANTITY DISCOUNTS

CODE	ITEM	<25kg+ BASE	Student -5%	25kg+ -10%	50kg+ -15%	100kg+ -20%
<b>CLEAR</b>						
K-100	Clear	24.19	22.98	21.77	20.56	19.35
K-101*	Silver Clear (Reduces)	28.56	27.13	25.70	24.28	22.85
<b>BLACK OPAQUE</b>						
K-95	Black (Reduces)	19.70	18.72	17.73	16.74	15.76
<b>BLACK TRANSPARENT</b>						
K-54	Black (Reduces)	19.70	18.72	17.73	16.74	15.76
K-54S*	Black (Stiff)	19.70	18.72	17.73	16.74	15.76
<b>GREY OPAQUE</b>						
K-175	Grey, Light	20.49	19.47	18.44	17.42	16.39
K-173	Dark Grey	19.99	18.99	17.99	16.99	15.99
K-172	Blue Grey Opal	19.70	18.72	17.73	16.74	15.76
K-83	Lavender	25.34	24.07	22.81	21.54	20.27
K-98	Lilac Opal (Reduces)	18.99	18.04	17.09	16.14	15.19
K-174	Grey Green	19.70	18.72	17.73	16.74	15.76
K-90	Pigeon Blue Opal	19.70	18.72	17.73	16.74	15.76
<b>GREY TRANSPARENT</b>						
K-233	Grey	19.70	18.72	17.73	16.74	15.76
K-235	Smoke Grey, Bluish	19.70	18.72	17.73	16.74	15.76
<b>WHITE OPAQUE</b>						
K-225	Alabaster White	19.70	18.72	17.73	16.74	15.76
K-60	White, Opalin	18.99	18.04	17.09	16.14	15.19
K-62	White, Opal	18.99	18.04	17.09	16.14	15.19

\* New Color \*\*Kugler Color is a trademark of Friedrich Farbglashütte GmbH, Germany

KUGLER (continued)

QUANTITY DISCOUNTS

CODE	ITEM	<25kg+ BASE	Student -5%	25kg+ -10%	50kg+ -15%	100kg+ -20%
<b>WHITE OPAQUE</b>						
K-1061L	White, Enamel, Light (Soft)	22.17	21.06	19.95	18.84	17.74
K-400*	White, Enamel, (Soft)	23.08	21.93	20.77	19.62	18.46
K-61	White, Enamel	23.08	21.93	20.77	19.62	18.46
<b>BROWN OPAQUE</b>						
K-161	Beige, Light	18.99	18.04	17.09	16.14	15.19
K-160*	Ivory	28.56	27.13	25.70	24.28	22.85
K-222	Tobacco, Light (Reduces)	18.99	18.04	17.09	16.14	15.19
K-226	Mustard Yellow	18.99	18.04	17.09	16.14	15.19
K-130	Brown, Opal	24.96	23.71	22.46	21.22	19.97
K-134	Carmine Brown	28.56	27.13	25.70	24.28	22.85
K-223	Sienna Brown	19.84	18.85	17.86	16.86	15.87
K-157	Pistachio Green	18.99	18.04	17.09	16.14	15.19
K-224	Mocha	19.84	18.85	17.86	16.86	15.87
<b>BROWN TRANSPARENT</b>						
K-19	Gold Topaz	38.62	36.69	34.76	32.83	30.90
K-51	Brown	18.99	18.04	17.09	16.14	15.19
K-52	Olive Brown	18.99	18.04	17.09	16.14	15.19
K-53	Olive Green	18.99	18.04	17.09	16.14	15.19
K-240	Amber, Medium	18.99	18.04	17.09	16.14	15.19
K-234	Amber, Dark	18.99	18.04	17.09	16.14	15.19
K-18	Smoke Topaz	18.99	18.04	17.09	16.14	15.19
K-215	Gold Brown (Reduces)	34.01	32.31	30.61	28.91	27.21
<b>BLUE-GREEN TRANSPARENT</b>						
K-49	Turquoise Blue	19.70	18.72	17.73	16.74	15.76
K-47	Aquamarine Blue	19.70	18.72	17.73	16.74	15.76
K-48*	Ocean Blue	19.70	18.72	17.73	16.74	15.76
K-46*	Capri Blue	18.99	18.04	17.09	16.14	15.19
K-40	Aqua	19.65	18.67	17.69	16.70	15.72
<b>BLUE OPAQUE</b>						
K-81	Blue, Light, Opal	19.70	18.72	17.73	16.74	15.76
K-80	Sky Blue, Opal	19.70	18.72	17.73	16.74	15.76
K-154*	Delicate Light Blue	20.49	19.47	18.44	17.42	16.39
K-82	Pastel Blue	19.70	18.72	17.73	16.74	15.76
K-83	Lavender	25.34	24.07	22.81	21.54	20.27
K-85*	Cornflower Blue	19.70	18.72	17.73	16.74	15.76
K-84	Dutch Blue	19.70	18.72	17.73	16.74	15.76
K-87*	Apia Blue	19.70	18.72	17.73	16.74	15.76
K-89*	Marine Blue	19.70	18.72	17.73	16.74	15.76
K-242	Deep Blue	19.70	18.72	17.73	16.74	15.76
K-91	Lapis Blue	19.70	18.72	17.73	16.74	15.76
K-92	Midnight Blue (Reduces)	23.36	22.19	21.02	19.86	18.69
<b>BLUE TRANSPARENT</b>						
K-104*	Sky Blue	19.70	18.72	17.73	16.74	15.76
K-221	Blue, Light	19.70	18.72	17.73	16.74	15.76
K-45	Blue, Medium	19.70	18.72	17.73	16.74	15.76
K-105	Silver Blue (Reduces)	31.50	29.92	28.35	26.78	25.20

\* New Color Colors within each group are listed from light to dark.

KUGLER (continued)

QUANTITY DISCOUNTS

CODE	ITEM	<25kg+ BASE	Student -5%	25kg+ -10%	50kg+ -15%	100kg+ -20%
<b>BLUE TRANSPARENT</b>						
K-44*	Silver Dark Blue (Reduces)	31.50	29.92	28.35	26.78	25.20
K-41	Cobalt Blue	19.70	18.72	17.73	16.74	15.76
<b>BLUE VIOLET TRANSPARENT</b>						
K-43	Steel Blue	19.70	18.72	17.73	16.74	15.76
K-14	Hyacinth Blue	41.83	39.74	37.65	35.56	33.46
K-210*	Sari Blue	19.70	18.72	17.73	16.74	15.76
K-42	Violet Blue, Dark	19.70	18.72	17.73	16.74	15.76
K-57	Aubergine	18.99	18.04	17.09	16.14	15.19
<b>VIOLET OPAQUE</b>						
K-152	Violet, Light, Opal	28.80	27.36	25.92	24.48	23.04
K-97	Lilac Red	36.45	34.63	32.81	30.98	29.16
K-88	Violet, Opal	36.85	35.01	33.17	31.32	29.48
<b>VIOLET TRANSPARENT</b>						
K-10	Violet	24.51	23.28	22.06	20.83	19.61
K-107*	Silver Amethyst (Reduces)	32.10	30.50	28.89	27.29	25.68
K-57	Aubergine	18.99	18.04	17.09	16.14	15.19
<b>RED VIOLET TRANSPARENT</b>						
K-11	Heliotrope	40.86	38.82	36.77	34.73	32.69
K-228	Heliotrope, Dark	18.99	18.04	17.09	16.14	15.19
K-50	Violet, Reddish, Dark	18.99	18.04	17.09	16.14	15.19
K-12	Amethyst, Reddish	38.43	36.51	34.59	32.67	30.74
K-13	Amethyst, Bluish	38.43	36.51	34.59	32.67	30.74
K-55	Violet, Bluish, Dark	18.99	18.04	17.09	16.14	15.19
<b>PINK (REDDISH) OPAQUE</b>						
K-151	Pink, Pale	28.80	27.36	25.92	24.48	23.04
K-165*	Opal Pink	28.80	27.36	25.92	24.48	23.04
K-150	Rose	37.56	35.68	33.80	31.93	30.05
K-65	Raspberry, Opal	35.59	33.81	32.03	30.25	28.47
K-166*	Opal Rose	28.80	27.36	25.92	24.48	23.04
K-66	Bright Pink, Opal	35.59	33.81	32.03	30.25	28.47
K-63	Flamingo	41.98	39.88	37.78	35.68	33.58
K-96	Raspberry Pink	52.99	50.34	47.69	45.04	42.39
<b>PINK (REDDISH) TRANSPARENT</b>						
K-11	Heliotrope	40.86	38.82	36.77	34.73	32.69
K-2	Gold Ruby	35.59	33.81	32.03	30.25	28.47
K-232	Wine Red	43.45	41.28	39.11	36.93	34.76
K-5	Gold Ruby, Extra Dark	43.45	41.28	39.11	36.93	34.76
K-231	Brilliant Ruby, Extra Dark	50.43	47.91	45.39	42.87	40.34
K-230*	Fucia	43.45	41.28	39.11	36.93	34.76
K-3	Dark Gold Pink, Extra Dense	54.16	51.45	48.74	46.04	43.33
<b>AURORA (BROWNISH PINK) OPAQUE</b>						
K-164	Ocher Yellow	38.66	36.73	34.79	32.86	30.93
K-168	Apricot	38.65	36.72	34.79	32.86	30.93
K-163*	Saffron	28.56	27.13	25.70	24.28	22.85

\* New Color Colors within each group are listed from light to dark.

KUGLER (continued)

QUANTITY DISCOUNTS

CODE	ITEM	<25kg+ BASE	Student -5%	25kg+ -10%	50kg+ -15%	100kg+ -20%
<b>AURORA (BROWNISH PINK) OPAQUE</b>						
K-162	Sahara (Peach)	38.65	36.72	34.79	32.86	30.93
K-167*	Ocher Red	27.58	26.20	24.82	23.44	22.06
<b>AURORA (BROWNISH PINK) TRANSPARENT</b>						
K-9*	Caribbean Flash	58.21	55.30	52.39	49.48	46.57
K-8	Aurora, Yellowish	36.85	35.01	33.17	31.32	29.48
K-6	Aurora, Reddish	36.85	35.01	33.17	31.32	29.48
<b>RED OPAQUE</b>						
K-68	Red, Yellowish (extra dense)	26.47	25.15	23.82	22.50	21.18
K-124*	Poppy Red	27.58	26.20	24.82	23.44	22.06
K-125	Kaiser Red (extra dense)	27.58	26.20	24.82	23.44	22.06
K-69	Coral Red (extra dense)	33.20	31.54	29.88	28.22	26.56
K-216	Antique Red	28.48	27.06	25.63	24.21	22.78
<b>RED TRANSPARENT</b>						
K-142	New Red	30.88	29.34	27.79	26.25	24.70
K-143*	Garnet Red	30.88	29.34	27.79	26.25	24.70
K-141	Cherry Red	28.67	27.24	25.80	24.37	22.94
K-16*	Light Copper Ruby	27.58	26.20	24.82	23.44	22.06
K-15	Copper Ruby (Reduces)	24.96	23.71	22.46	21.22	19.97
<b>ORANGE OPAQUE</b>						
K-67	Orange, Yellowish, (extra dense)	24.96	23.71	22.46	21.22	19.97
K-121	Orange, Reddish, (extra dense)	25.09	23.84	22.58	21.33	20.07
K-125	Kaiser Red (extra dense)	27.58	26.20	24.82	23.44	22.06
<b>ORANGE TRANSPARENT</b>						
K-220	Old Gold	34.01	32.31	30.61	28.91	27.21
K-140	Orange	27.24	25.88	24.52	23.15	21.79
<b>YELLOW OPAQUE</b>						
K-73	Apple Yellow	18.99	18.04	17.09	16.14	15.19
K-77	Selenium Yellow (extra dense)	23.08	21.93	20.77	19.62	18.46
K-78	Canary Yellow (extra dense)	23.08	21.93	20.77	19.62	18.46
<b>YELLOW TRANSPARENT</b>						
K-17*	Champagne	43.45	41.28	39.11	36.93	34.76
K-19	Gold Topaz	38.62	36.69	34.76	32.83	30.90
K-20	Brilliant Yellow	26.47	25.15	23.82	22.50	21.18
K-212	Brilliant Gold	35.13	33.37	31.62	29.86	28.10
K-229	Amber, Yellowish	18.99	18.04	17.09	16.14	15.19
K-219*	Delicate Old Gold	34.01	32.31	30.61	28.91	27.21
K-220	Old Gold	34.01	32.31	30.61	28.91	27.21
K-218	Iris Gold (Reduces)	36.24	34.43	32.62	30.80	28.99
<b>GREEN OPAQUE</b>						
K-72	Celadon Green	18.99	18.04	17.09	16.14	15.19
K-158*	Lime Green	18.99	18.04	17.09	16.14	15.19

\* New Color Colors within each group are listed from light to dark.

KUGLER (continued)

QUANTITY DISCOUNTS

CODE	ITEM	<25kg+ BASE	Student -5%	25kg+ -10%	50kg+ -15%	100kg+ -20%
<b>GREEN OPAQUE</b>						
K-76	Green, Light	18.99	18.04	17.09	16.14	15.19
K-73	Apple Yellow	18.99	18.04	17.09	16.14	15.19
K-178	Nile Green	18.99	18.04	17.09	16.14	15.19
K-71*	Hops green	19.69	18.71	17.72	16.74	15.75
K-74	Granny Apple Green	18.99	18.04	17.09	16.14	15.19
K-70	Green, Opal	19.69	18.71	17.72	16.74	15.75
K-79	Pea Green	22.20	21.09	19.98	18.87	17.76
K-157	Pistachio Green	18.99	18.04	17.09	16.14	15.19
K-75	Green, Dark	18.99	18.04	17.09	16.14	15.19
K-243	River Green	18.99	18.04	17.09	16.14	15.19
K-245I*	Isar Blue Green	18.99	18.04	17.09	16.14	15.19
K-227	Jade Green	18.99	18.04	17.09	16.14	15.19
K-86	Turquoise	19.84	18.85	17.86	16.86	15.87
K-241	Green, Dark	18.99	18.04	17.09	16.14	15.19
K-159	Olive Brown	18.99	18.04	17.09	16.14	15.19
K-171	New Blue	19.70	18.72	17.73	16.74	15.76
K-90	Pigeon Blue	19.70	18.72	17.73	16.74	15.76
<b>GREEN TRANSPARENT</b>						
K-21	Lime Yellow	18.99	18.04	17.09	16.14	15.19
K-213*	Brilliant Green	23.08	21.93	20.77	19.62	18.46
K-53	Olive Green	18.99	18.04	17.09	16.14	15.19
K-24	Green, Light	18.99	18.04	17.09	16.14	15.19
K-22*	Fjord Green	19.99	18.99	17.99	16.99	15.99
K-26	Emerald Green	18.99	18.04	17.09	16.14	15.19
K-27	Grass Green	18.99	18.04	17.09	16.14	15.19
K-28	New Green	18.99	18.04	17.09	16.14	15.19
K-59	Aventurine Green	25.28	24.02	22.75	21.49	20.22
K-36	Moss Green	18.99	18.04	17.09	16.14	15.19
K-37	Sargasso Green	18.99	18.04	17.09	16.14	15.19
K-31*	Olivine	18.99	18.04	17.09	16.14	15.19
K-33	Green, Dark	18.99	18.04	17.09	16.14	15.19
K-32	Bristol Green	18.99	18.04	17.09	16.14	15.19
K-30	Tourmaline Green	18.99	18.04	17.09	16.14	15.19
K-35*	Fir Green	18.99	18.04	17.09	16.14	15.19
K-39*	Sea Green	18.99	18.04	17.09	16.14	15.19
K-103	Silver Green (Reduces)	32.10	30.50	28.89	27.29	25.68
K-34*	Silver Dark Green (Reduces)	31.50	29.92	28.35	26.78	25.20

See pages 95 for sheet glass and frits compatible with Q-Color, Kugler, Wiesenthal, and CR Colors

\* New Color Colors within each group are listed from light to dark.

KUGLER (continued)

QUANTITY DISCOUNTS

CODE	ITEM	<25kg+ BASE	Student -5%	25kg+ -10%	50kg+ -15%	100kg+ -20%
<b>ITALIAN GOLDSTONE</b>						
K-244-C	Blue Aventurine, Coarse Frit	58.99	56.04	53.09	50.14	47.19
K-244-F	Blue Aventurine, Fine Frit	58.99	56.04	53.09	50.14	47.19
K-244-CH	Blue Aventurine, Chunk	98.99	94.04	89.09	81.14	79.19
K-245-CH	Gold Aventurine, Chunk	149.99	142.49	134.99	127.49	119.99
K-245-C	Gold Aventurine, Coarse Frit	84.99	80.74	76.49	72.24	67.99
K-245-F	Gold Aventurine, Fine Frit	84.99	80.74	76.49	72.24	67.99
Italian Goldstone. Available in chunk, coarse (equivalent to size -3), and fine frit (equivalent to size -0 & -1 frit).						
<b>REDUCING COLORS</b>						
K-15	Copper Ruby (Reduces)	24.96	23.71	22.46	21.22	19.97
K-34*	Silver Dark Green (Reduces)	31.50	29.92	28.35	26.78	25.20
K-44	Silver Dark Blue (Reduces)	31.50	29.92	28.35	26.78	25.20
K-54	Black (Reduces)	19.70	18.72	17.73	16.74	15.76
K-92	Midnight Blue (Reduces)	23.36	22.19	21.02	19.86	18.69
K-95	Black (Reduces)	19.70	18.72	17.73	16.74	15.76
K-98	Lilac Opal (Reduces)	18.99	18.04	17.09	16.14	15.19
K-101*	Silver Clear (Reduces)	28.56	27.13	25.70	24.28	22.85
K-103	Silver Green (Reduces)	32.10	30.50	28.89	27.29	25.68
K-105	Silver Blue (Reduces)	31.50	29.92	28.35	26.78	25.20
K-107	Silver Amethyst (Reduces)	32.10	30.50	28.89	27.29	25.68
K-215	Gold Brown (Reduces)	34.01	32.31	30.61	28.91	27.21
K-218	Iris Gold (Reduces)	36.24	34.43	32.62	30.80	28.99
K-222	Tobacco, Light (Reduces)	18.99	18.04	17.09	16.14	15.19

\* New Color Colors within each group are listed from light to dark.