

PLASTICS



Colorant and Additives



vivify

COLOR
INGREDIENTS
INNOVATION

COLORING TOMORROW

ABOUT VIVIFY

Vivify is at the forefront of color solutions in today's ever changing industry. Vivify has more than 45 years of expertise in pigments and dyes and is diversified into 6 specific product lines. We export to more than 50 countries globally. With products manufactured in the US, India and China, along with integrated coatings, plastic, inks, agriculture and textile laboratories, Vivify is a vertically integrated manufacturer of specialty chemicals for colorant applications. We specialize in organic, inorganic pigments, dyes, liquid colorants, slip additives, and specialty resins.

Vivify's vertical integration, product specificity and in-depth knowledge of the industries we serve, allow us to be one of the most innovative and forward-looking companies around. We are constantly challenging ourselves to think "outside the box" in order to develop and provide our products in new, more efficient and environmentally friendly ways that benefit our customers. That's the Vivify advantage.

OUR MISSION

We believe in social responsibility, innovation, transparency, attentiveness, reliability and partnerships. With our reputation for excellence in these beliefs, we will inspire you to challenge what you should expect from a supplier.

QUALITY POLICY

Our US laboratories evaluate each batch with standardized test methods that follow customer specific applications to ensure consistency that meets your quality, safety and environmental requirements.



ORGANIC PIGMENTS LIST

Pigments for a diverse range of plastic and resin applications.

Visit our website for more Product Information and TDS's.
www.vivifycompany.com

Color index	Product Trade Name	Pigment Profile
 Pigment Blue 15:0	Akahue Blue B	Red shade Cu-Phthalo blue with excellent light and weather fastness`
 Pigment Blue 15:1	Akahue Blue BAK	α-modification Cu-Phthalo blue, with excellent light and weather fastness
 Pigment Blue 15:2	Akahue Blue BB	α-modification Cu-Phthalo blue, stabilized against flocculation, with excellent light and weather fastness
 Pigment Blue 15:3	Akahue Phthalo Blue	Clean green shade β-modification Cu-Phthalo blue with excellent light and weather fastness
 Pigment Blue 15:4	Akahue Blue BD	Clean green shade α-modification Cu-Phthalo blue with excellent light and weather fastness
 Pigment Green 7	Akahue Phthalo Green	Clean, yellow shade Cu-phthalo green, with excellent overall properties
 Pigment Green 7	Akahue Phthalo Green AC	Fiber Grade, Clean yellow shade Cu-green with excellent overall properties
 Pigment Green 7 BS	Akahue Phthalo Green BS	Blue Shade Cu-phthalo green, with excellent overall properties
Pigment Orange 13	Akahue Orange G	Bright, clean, orange with excellent tint strength
Pigment Orange 34	Akahue Orange RL	Yellow shade orange with good tinctorial strength
Pigment Orange 36	Akafast Orange HL	Red shade orange with good hiding power and excellent overall fastness
Pigment Orange 43	Akafast Orange GR	Red shade orange with good tinctorial strength
 Pigment Orange 64	Akafast Orange GPN	Red shade orange with excellent heat stability and light/ weather fastness
 Pearlescent Pigment	Akapearl 100	Silver white anatase pearlescent pigment with an average 10-60 μm particle size
 Pearlescent Pigment	Akapearl 120	Silver white anatase pearlescent pigment with an average 5-25 μm particle size

Color index	Product Trade Name	Pigment Profile
  FD&C Blue 1	Synthetic Blue Lake High Dye (28-35%)	Synthetic food color. Free-flowing blendable powder form free from lumps or visible impurities.
  FD&C Yellow 5	Synthetic Yellow Lake High Dye (36-42%)	Synthetic food color. Free-flowing blendable powder form free from lumps or visible impurities.
  FD&C Yellow 6	Synthetic Yellow Lake High Dye (35-42%)	Synthetic food color. Free-flowing blendable powder form free from lumps or visible impurities.
  FD&C Red 40	Synthetic Red Lake High Dye (36-42%)	Synthetic food color. Free-flowing blendable powder form free from lumps or visible impurities.

Color index	PHYSICAL PROPERTIES				FASTNESS PROPERTIES					
	Density g/cm³	Oil Absorption	Migration	Warpage	Heat Stability Mass °C	Heat Stability Tint °C	Light Stability Mass	Light Stability Tint	Weatherability Mass	Weatherability Mass
 Pigment Blue 15:0	1.60	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Blue 15:1	1.60	35-45	None	Distinct	330	315	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Blue 15:2	1.60	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Blue 15:3	1.60	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Blue 15:4	1.60	35-45	None	Distinct	345	345	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Green 7	1.66	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Green 7	1.66	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Green 7 BS	1.66	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
Pigment Orange 13	1.43	40-50	Minimal	None	200	200	4 - 5	4 - 5	4 - 5	4 - 5
Pigment Orange 34	1.39	40-50	Minimal	None	200	200	6 - 7	5 - 6	4 - 5	4 - 5
Pigment Orange 36	1.39	40-50	Minimal	None	250	250	7 - 8	7 - 8	7 - 8	7 - 8
Pigment Orange 43	1.66	40-50	Minimal	Slight	290	290	7 - 8	7 - 8	5 - 6	5 - 6
 Pigment Orange 64	1.50	40-50	None	None	275	300	7 - 8	7 - 8	7 - 8	7 - 8
 Pearlescent Pigment	3.00	70-90	None	None	300+	300+	7 - 8	7 - 8	7 - 8	7 - 8
 Pearlescent Pigment	3.00	70-90	None	None	300+	300+	7 - 8	7 - 8	7 - 8	7 - 8

Color index	ANALYTICAL SPECIFICATIONS			METALS			
	Purity	HCL Insoluble Matter	Ether Extractable Matter	Arsenic	Lead	Mercury	Cadmium
  FD&C Blue 1	28 - 35%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg
  FD&C Yellow 5	36 - 42%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg
  FD&C Yellow 6	35 - 42%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg
  FD&C Red 40	36 - 42%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg

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ORGANIC PIGMENTS LIST

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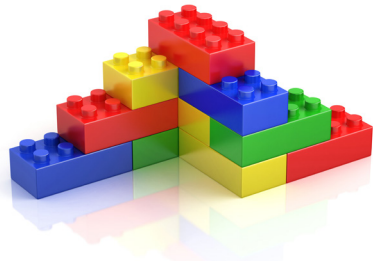
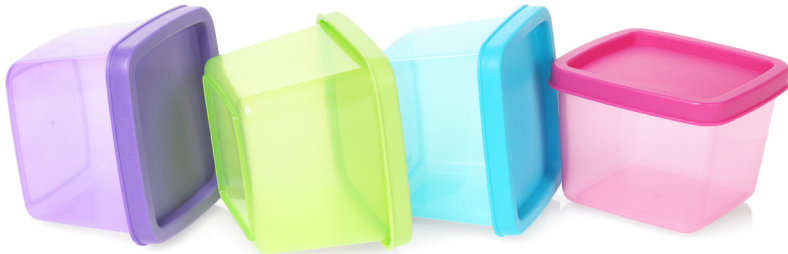
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Color index	Product Trade Name	Pigment Profile
Pigment Red 48:2	Akahue Red BBCNC	Blue shade red for low cost applications
Pigment Red 53:1	Akahue Red Lake CK	Yellow shade red for low cost applications
Pigment Red 122	Akafast Pink E	Very clean yellow shade red, high color strength, excellent overall fastness
Pigment Red 149	Akafast Perylene Red B	Yellow shade perylene red with excellent light stability
Pigment Red 170	Akahue Red F3RK	Yellow shade red for low cost applications
Pigment Red 170	Akahue Red F5RK	Blue shade red for low cost applications
 Pigment Red 177	Akafast Red A3B	Bright, clean, yellow shade red with excellent light and weather stability in masstone
 Pigment Red 254	Akafast Red DPP 2030	Bright clean red with excellent properties in plastic applications
Pigment Yellow 13	Akahue Yellow GR	Very green shade yellow for low cost applications
Pigment Yellow 14	Akahue Yellow 2GSWBI	Greener shade yellow for low cost applications
Pigment Yellow 62	Akahue Yellow ND	Green shade yellow for low cost plastics applications
Pigment Yellow 83	Akafast Yellow HR	Red shade yellow for low cost plastics applications
 Pigment Yellow 138	Akafast Yellow 2RLIX	Green shade yellow with excellent lightfastness and weatherfastness
Pigment Yellow 139	Akafast Yellow MR	Reddish yellow with excellent lightfastness and weatherfastness
Pigment Yellow 151	Akafast Yellow H4G	Clean green shade yellow for low cost applications
Pigment Yellow 155	Akafast Yellow 3GPN	Clean green shade yellow with excellent light stability
 Pigment Yellow 180	Akafast Yellow HG	Red shade yellow with high heat stability and excellent light/weather fastness
 Pigment Yellow 180	Akafast Yellow HGG	Green shade yellow with high heat stability and excellent light/weather fastness

Color index	PHYSICAL PROPERTIES				FASTNESS PROPERTIES					
	Density g/cm³	Oil Absorption	Migration	Warpage	Heat Stability Mass °C	Heat Stability Tint °C	Light Stability Mass	Light Stability Tint	Weatherability Mass	Weatherability Mass
Pigment Red 48:2	1.63	45-55	None	None	220	245	4 - 5	4 - 5	4 - 5	4 - 5
Pigment Red 53:1	1.80	45-55	None	None	250	250	4 - 5	4 - 5	4 - 5	4 - 5
Pigment Red 122	1.45	35-45	None	None	330	315	7 - 8	7 - 8	7 - 8	7 - 8
Pigment Red 149	1.43	50-60	None	Minimal	260	245	7 - 8	7 - 8	5 - 6	5 - 6
Pigment Red 170	1.50	35-45	None	None	260	220	5 - 6	5 - 6	5 - 6	5 - 6
Pigment Red 170	1.50	35-45	None	None	245	220	5 - 6	5 - 6	5 - 6	5 - 6
 Pigment Red 177	1.45	50-65	None	None	230	245	7 - 8	7 - 8	7 - 8	6/7
 Pigment Red 254	1.62	45-55	None	Minimal	315	330	7 - 8	7 - 8	7 - 8	7 - 8
Pigment Yellow 13	1.40	40-50	None	None	205	205	6 - 7	6 - 7	6 - 7	6 - 7
Pigment Yellow 14	1.38	40-50	None	None	205	205	5-6	5-6	4-5	4-5
Pigment Yellow 62	1.62	60-75	None	Minimal	205	220	7 - 8	7 - 8	5 - 6	5 - 6
Pigment Yellow 83	1.40	35-45	None	None	205	205	7 - 8	7 - 8	6 - 7	6 - 7
 Pigment Yellow 138	1.43	20-30	None	None	220	220	7 - 8	7 - 8	7 - 8	7 - 8
Pigment Yellow 139	1.80	35-45	None	None	250	250	6 - 7	6 - 7	5 - 6	5 - 6
Pigment Yellow 151	1.50	45-55	None	Slight	190	190	6 - 7	6 - 7	3 - 4	3 - 4
Pigment Yellow 155	1.60	45-55	None	None	260	250	6 - 7	6 - 7	3 - 4	3 - 4
 Pigment Yellow 180	1.47	45-55	None	Minimal	275	290	7 - 8	7 - 8	7 - 8	7 - 8
 Pigment Yellow 180	1.47	45-55	None	Minimal	275	290	7 - 8	7 - 8	7 - 8	7 - 8

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INORGANIC PIGMENTS LIST

Pigments for a diverse range of plastic and resin applications.

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Color Index	Product Trade Name
Pigment Black 26	Akafe Black 26
Pigment Black 28	Akafe Copper Chormite 28
Pigment Blue 28	Akafe Cobalt Aluminate 138
Pigment Blue 28	Akafe Cobalt Aluminate 142
Pigment Brown 24	Akafe Brown 24
Pigment Green 17	Akafe Chrome Oxide Green
Pigment Red 101	Akafe Red 130
Iron Oxide Red T10	Akafe Red T10
Iron Oxide Red 180N	Akafe Red 180N
Iron Oxide Yellow 42	Akafe Yellow 42
Pigment Yellow 53	Akafe Yellow 1053
Pigment Yellow 53	Akafe Yellow 1153
Pigment Yellow 119	Akafe Zinc Ferrite Yellow 29
Pigment Yellow 119	Akafe Zinc Ferrite Yellow 39
Pigment Yellow 119	Akafe Zinc Ferrite Yellow 49
Pigment Yellow 119	Akafe Zinc Ferrite Yellow 59
Pigment Yellow 164	Akafe Yellow 164
Pigment Yellow 184	Akafast Yellow 2GLMA
Ultramarine Blue RS (PB29)	Akahue UM Blue E28
Ultramarine Blue GS Strong (PB29)	Akahue UM Blue G75
Ultramarine Blue GS (PB29)	Akahue UM Blue 51S
Ultramarine Blue (PB29)	Akahue UM Blue H56
Ultramarine Blue (PB29)	Akahue UM Blue F36
Ultramarine Blue Strong (PB29)	Akahue UM Blue G58
Ultramarine Blue Mid GS (PB29)	Akahue UM Blue 75
Pigment Violet 15	Akahue UM Violet

ORGANIC PIGMENTS - FLUSH

Color Index	Product Trade Name
Pigment Red 48:2	Akahue Red BBCNC Flush – 50%
Pigment Red 53:1	Akahue Red Lake CK Flush – 60%
Pigment Red 53:1	Akahue Red Lake CK Flush – 55%
Pigment Yellow 13	Akahue Yellow GR Flush – 50%
Pigment Green 7	Akahue Phthalo Green Flush – 55%
Pigment Blue 15:1	Akahue Blue BAK Flush – 50%
Pigment Blue 15:3	Akahue Phthalo Blue Flush – 50%



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SPECIAL EFFECTS PEARLESCENT

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Item #	Product Name
0225	Mica Pearl Blue
0235	Mica Pearl Green
0530	Mica Flash Bronze
2012	Fine Gold Pearl
2112	Fine Red Pearl
2317	Lurid MV Gold
2625	Sunlight Cactus
3002	Gold Pearl 6-60m
4120	Lurid White 6980
4153	Lurid White 6957
4183	Lurid White 6927
4193	Lurid White 6917
5202	Bronze Satin
7215	Ultra Interf. Red
7219	Ultra Interf. Violet
7235	Ultra Interf. Green
7554	Lurid Maroon
8100	Akapearl 100
8103	Rutile Silver Pearl
8110	Silver Fine
8132	Bright Luster Satin
8151	Silver Flash
8153	Sparkle Flash
8163	Silver Shimmer
8183	Silver Glittering
8201	Interf. Gold Satin
8205	Interf. Gold Pearl
8205	Interf. Gold Pearl
8219	Interf. Violet Pearl
8225	Interf. Blue Pearl
8249	Interf. Gold Flash
8300	Pearl Gold
8303	Royal Gold
8307	Mica Red Gold
8315	Lurid Silk Red
8315	Mica Classy Gold
8331	Borosilicate Red Gold
8500	Bronze
8502	Red Brown
8504	Wine Red
8505	Blue Russet
8520	Satin Bronze
8856	Lurid Gold Sparkle

Item #	Product Name
9500	Supearl Bronze
9810	Diamond Sparkle White
0004R	INDI Royal Blue
0404S	Spectra Flash Silver
1070H	Fantasy Halo
19830C	Borosilicate GG88
20-100	Sterling Shimmer Silver
20-150	Lumino Fine Gold
20-150	Lumino Fine Gold
20-500	Lumino Gold
2086M	Fantasy Mirror
3R35	Argent Blaze Red
3S15	Argent Silver
4982U	Mica Maroon
50-200	Lurid Super Gold
5035D	Spectra Kaleidoscope PT0635
5256M	Fantasy Mosaic
6S15	Argent Shimmer Silver
6Y15	Argent Shimmer Gold
70-280	Spectra Mirror Silver
820M5	Lurid Crimson Red
8323H	Royal Gold Satin
8351C	Flash Gold
8S15	Alchemique Flash Silver
9810C	Borosilicate Flash Silver
A6152S	Silver Pearl 50-80 micron
CVP 1138	Mica Travel IO18
CVP 1598	Mica Travel RG18
CVP 1838	Mica Travel CS18
CVP 2154	Diamond Variable
CVP 22065	Mica Travel ROG65
CVP 32925	Synthetic Mica Travel ROG25
CVP 32927	Synthetic Mica Travel VRO27
CVP 32929	Synthetic Mica Travel BVR29
CVP 33985	Synthetic Mica Travel-Ice 985
CVP 3418	Gemini MicaMira
CVP 4107	Optically Filter Pigment W41
CVP 5107	Optically Filter Pigments W51
CVP 61291C	Borosilicate Travel VBG88
CVP 61295A	Borosilicate Travel RVB86
CVP 61295B	Borosilicate Travel RVB87A
CVP 6387	Borosilicate Travel OB67

ADDITIVES

Specialty Additives for a diverse range of plastic and fiber applications.

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Product Trade Name	Plastic Additive	PARTICLE SIZE					
		Atomized 60-100 µm	Powder 100-120 µm	Microbeads 400-600 µm	Beads 800-1200 µm	Pastilles 5000 µm	
 Aakash EBS	Dispersant, Lubricant	X	X		X		*** Other Particle Sizes available upon request.
 Aakash ZS zinc stearate	Dispersant, Lubricant		X		X		
 Finafog 60	Anti-fog (PET/LDPE/EVA Film)		X				
 Finafog 300	Anti-fog (PP)		X				
 Finafog 400 Liq	Anti-fog (PVC)						
 Finafog 500 Liq	Anti-fog (PE Film)						
 Finalux G-121	Lubricant		X				
 Finalux G-728	External Lubricant		X				
 Finalux G-748 Liq	Processing aid (PETS)						
 Finalux PET 350	Anti-scratch		X				
 Finasperse DT 500 N	Dispersing aid		X				
 Finastat 9500	Anti-stat (GMS)		X			X	
 Finawax B	Anti-block agent				X		
 Finawax C90	Dispersant, Lubricant		X				
 Finawax E	Slip and anti-block agent	X		X	X	X	
 Finawax ER	Slip and anti-block agent				X		
 Finawax O	Lubricant	X		X	X	X	
 Finawax OK RSPO	Slip agent				X		
 Finawax OR	Slip agent				X		
 Finawax OPA	Lubricant		X				
 Finawax S	Anti-block agent	X		X			
 Finawax SE	Slip agent			X		X	
 Finawax SS	Lubricant, mold release agent, PE foam stabilizer		X				
 Finawax VL (EBO)	Slip and anti-blocking agent		X				

Product Trade Name	PHYSICAL PROPERTIES							
	Density g/cm³	Melting Point °C	Acid Value Maximum	Amine Purity %	Amine Value Maximum	Matx. Moisture Content %	Gardner Color Maximum	Bio Based Content
 Aakash EBS	0.97	143	10.0		5.0	0.5	6.0	Vegetable
 Aakash ZS zinc stearate	1.06	120				100		Vegetable
 Finafog 60		55-65						Vegetable
 Finafog 300		62	3.0					Vegetable
 Finafog 400 Liq			5.0					Vegetable
 Finafog 500 Liq			5.0					Vegetable
 Finalux G-121		60	3.0					Vegetable
 Finalux G-728		54	3.0					Vegetable
 Finalux G-748 Liq	0.94	63	8.0			0.5		Vegetable
 Finalux PET 350		60	3.0			1.0	2.0	Vegetable
 Finasperse DT 500 N	0.97	127	12		99	1.0		Vegetable
 Finastat 9500	0.97	68	3.0			0.5		Vegetable
 Finawax B	0.86	110	10	98-100		0.25	2.0	Vegetable
 Finawax C90	0.97	143	5.0		5.0	0.5	3.0	Vegetable
 Finawax E	0.89	83	10	98-100		0.25	2.0	Vegetable
 Finawax ER	0.89	83	10	98-100		0.25	4.0	Vegetable
 Finawax O	0.97	73	10	98-100		0.25	2.0	Vegetable
 Finawax OK RSPO	0.97	73	10	98-100		0.5	2.0	Vegetable
 Finawax OR	0.97	70	10	95-100		0.25	10.0	Vegetable
 Finawax OPA	0.86	65	5.0		3.0	0.5	5.0	Vegetable
 Finawax S	0.87	102	10	98-100		0.25	2.0	Vegetable
 Finawax SE	0.86	72	3.0		3.0	0.5	5.0	Vegetable
 Finawax SS		90	8.0					Vegetable
 Finawax VL (EBO)	0.90	116	12.0		4.0	0.5	7.0	Vegetable

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Product Trade Name	Plastic Additive	ADDITIVE PROFILE
  Finalux G-1812	Dispersing agent (PET)	Viscous Liquid

Product Trade Name	PHYSICAL PROPERTIES		
	pH 1% Solution	Iodine Value	Water Content
  Finalux G-1812	6.0-8.0		0.0-0.3

Product Trade Name	Plastic Additive	PARTICLE SIZE					**** Other Particle Sizes available
		Atomized 60-100 µm	Powder 100-120 µm	Microbeads 400-600 µm	Beads 800-1200 µm	Pellets 2.0 mm	
  Vivify Wax TW	Homopolymer PE Wax		X				
  Vivify Wax T	Homopolymer PE Wax		X				
  Vivify Wax F	Homopolymer PE Wax		X				
  Vivify Wax M	Oxidized PE Wax		X				

Product Trade Name	PHYSICAL PROPERTIES					
	Drop Point °C	Congearing Point °C	Penetration (mm)	Viscosity (150 °C) cps	Acid Value	Density g/cm³
  Vivify Wax TW	105-112	95-102	6-8	15-45	-	0.955
  Vivify Wax T	108-113	98-105	2-4	50-80	-	0.955
  Vivify Wax F	114-120	104-110	1-2	50-80	-	0.955
  Vivify Wax M	99-112	89-102	8-10	<20	18-20	0.955

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