

# PLASTICS

Organic Pigments 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 40 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 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.























# PIGMENTS





















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
 <b>Pigment Blue 15:0</b>	<b>Akahue Blue B</b>	Red shade Cu-Phthalo blue with excellent light and weather fastness`
 <b>Pigment Blue 15:1</b>	<b>Akahue Blue BAK</b>	α-modification Cu-Phthalo blue, with excellent light and weather fastness
 <b>Pigment Blue 15:2</b>	<b>Akahue Blue BB</b>	α-modification Cu-Phthalo blue, stabilized against flocculation, with excellent light and weather fastness
 <b>Pigment Blue 15:3</b>	<b>Akahue Phthalo Blue</b>	Clean green shade β-modification Cu-Phthalo blue with excellent light and weather fastness
 <b>Pigment Blue 15:4</b>	<b>Akahue Blue BD</b>	Clean green shade α-modification Cu-Phthalo blue with excellent light and weather fastness
 <b>Pigment Green 7</b>	<b>Akahue Phthalo Green</b>	Clean, yellow shade Cu-phthalo green, with excellent overall properties
 <b>Pigment Green 7</b>	<b>Akahue Phthalo Green AC</b>	Fiber Grade, Clean yellow shade Cu-green with excellent overall properties
<b>Pigment Orange 13</b>	<b>Akahue Orange G</b>	Bright, clean, orange with excellent tint strength
<b>Pigment Orange 34</b>	<b>Akahue Orange RL</b>	Yellow shade orange with good tinctorial strength
<b>Pigment Orange 36</b>	<b>Akafast Orange HL</b>	Red shade orange with good hiding power and excellent overall fastness
<b>Pigment Orange 43</b>	<b>Akafast Orange GR</b>	Red shade orange with good tinctorial strength
 <b>Pigment Orange 64</b>	<b>Akafast Orange GPN</b>	Red shade orange with excellent heat stability and light/ weather fastness
<b>Pigment Orange 73</b>	<b>Akafast Orange HP</b>	Semi opaque, clean medium shade orange
 <b>Pearlescent Pigment</b>	<b>Akapearl 100</b>	Silver white anatase pearlescent pigment with an average 10-60 μm particle size
 <b>Pearlescent Pigment</b>	<b>Akapearl 120</b>	Silver white anatase pearlescent pigment with an average 5-25 μm particle size

Color index	Product Trade Name	Pigment Profile
  <b>FD&amp;C Blue 1</b>	<b>Synthetic Blue Lake High Dye (28-35%)</b>	Synthetic food color. Free-flowing blendable powder form free from lumps or visible impurities.
  <b>FD&amp;C Yellow 5</b>	<b>Synthetic Yellow Lake High Dye (36-42%)</b>	Synthetic food color. Free-flowing blendable powder form free from lumps or visible impurities.
  <b>FD&amp;C Yellow 6</b>	<b>Synthetic Yellow Lake High Dye (35-42%)</b>	Synthetic food color. Free-flowing blendable powder form free from lumps or visible impurities.
  <b>FD&amp;C Red 40</b>	<b>Synthetic Red Lake High Dye (36-42%)</b>	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
 <b>Pigment Blue 15:0</b>	1.60	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 <b>Pigment Blue 15:1</b>	1.60	35-45	None	Distinct	330	315	7 - 8	7 - 8	7 - 8	7 - 8
 <b>Pigment Blue 15:2</b>	1.60	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 <b>Pigment Blue 15:3</b>	1.60	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 <b>Pigment Blue 15:4</b>	1.60	35-45	None	Distinct	345	345	7 - 8	7 - 8	7 - 8	7 - 8
 <b>Pigment Green 7</b>	1.66	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
 <b>Pigment Green 7</b>	1.66	35-45	None	Distinct	300	300	7 - 8	7 - 8	7 - 8	7 - 8
<b>Pigment Orange 13</b>	1.43	40-50	Minimal	None	200	200	4 - 5	4 - 5	4 - 5	4 - 5
<b>Pigment Orange 34</b>	1.39	40-50	Minimal	None	200	200	6 - 7	5 - 6	4 - 5	4 - 5
<b>Pigment Orange 36</b>	1.39	40-50	Minimal	None	250	250	7 - 8	7 - 8	7 - 8	7 - 8
<b>Pigment Orange 43</b>	1.66	40-50	Minimal	Slight	290	290	7 - 8	7 - 8	5 - 6	5 - 6
 <b>Pigment Orange 64</b>	1.50	40-50	None	None	275	300	7 - 8	7 - 8	7 - 8	7 - 8
<b>Pigment Orange 73</b>	1.50	40-55	None	Minimal	300	300	7 - 8	7 - 8	5 - 6	4 - 5
 <b>Pearlescent Pigment</b>	3.00	70-90	None	None	300+	300+	7 - 8	7 - 8	7 - 8	7 - 8
 <b>Pearlescent Pigment</b>	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
  <b>FD&amp;C Blue 1</b>	28 - 35%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg
  <b>FD&amp;C Yellow 5</b>	36 - 42%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg
  <b>FD&amp;C Yellow 6</b>	35 - 42%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg
  <b>FD&amp;C Red 40</b>	36 - 42%	< 0.5%	< 0.2%	< 3 mg/kg	< 2 mg/kg	< 1 mg/kg	< 1 mg/kg







# PIGMENTS



Pigments for a diverse range of plastic and resin applications.

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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 101	Akafe Red 130	An inorganic red iron oxide with excellent light and weather fastness
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

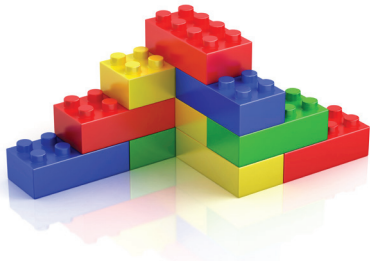
Color index	PHYSICAL PROPERTIES				FASTNESS PROPERTIES					
	Density g/cm³	Oil Absorption	Migration	Warpage	Heat Stability Mass °C	Heat Stability Tint °C	Light Stability Mass	Light Stability Tint	Weatherability Mass	Weatherability Mass
Pigment Red 48:2	1.63	45-55	None	None	220	245	4 - 5	4 - 5	4 - 5	4 - 5
Pigment Red 53:1	1.80	45-55	None	None	250	250	4 - 5	4 - 5	4 - 5	4 - 5
 Pigment Red 101	4.90	15-35	None	None	240	220	7 - 8	7 - 8	7 - 8	7 - 8
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

 REACH registration status is available upon request

 FDA



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# 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	Pellets 2.0 mm
 <b>Aakash EBS</b>	Dispersant, Lubricant	X	X		X	
 <b>Aakash ZS zinc stearate</b>	Dispersant, Lubricant		X		X	
 <b>Finafog 60</b>	Anti-fog (PET/LDPE/EVA Film)		X			
 <b>Finafog 300</b>	Anti-fog (PP)		X			
 <b>Finafog 400 Liq</b>	Anti-fog (PVC)					
 <b>Finafog 500 Liq</b>	Anti-fog (PE Film)					
 <b>Finalux G-121</b>	Lubricant		X			
 <b>Finalux G-728</b>	External Lubricant		X			
 <b>Finalux G-748 Liq</b>	Processing aid (PETS)					
 <b>Finalux PET 350</b>	Anti-scratch		X			
 <b>Finasperse DT 500 N</b>	Dispersing aid		X			
 <b>Finastat 9500</b>	Anti-stat (GMS)		X			
 <b>Finawax B</b>	Anti-block agent				X	
 <b>Finawax C90</b>	Dispersant, Lubricant		X			
 <b>Finawax E</b>	Slip and anti-block agent	X		X	X	X
 <b>Finawax ER</b>	Slip and anti-block agent				X	
 <b>Finawax O</b>	Lubricant	X		X	X	X
 <b>Finawax OK</b>	Slip agent				X	
 <b>Finawax OR</b>	Slip agent				X	
 <b>Finawax OPA</b>	Lubricant		X			
 <b>Finawax S</b>	Anti-block agent	X		X		
 <b>Finawax SE</b>	Slip agent			X		
 <b>Finawax SS</b>	Lubricant, mold release agent, PE foam stabilizer		X			
 <b>Finawax VL (EBO)</b>	Slip and anti-blocking agent		X			

\*\*\* Other Particle Sizes available upon request.

Product Trade Name	PHYSICAL PROPERTIES							
	Density g/cm <sup>3</sup>	Melting Point °C	Acid Value Maximum	Amine Purity %	Amine Value Maximum	Matx. Moisture Content %	Gardner Color Maximum	Bio Based Content
 <b>Aakash EBS</b>	0.97	143	10.0		5.0	0.5	6.0	Vegetable
 <b>Aakash ZS zinc stearate</b>	1.06	120				100		Vegetable
 <b>Finafog 60</b>		55-65						Vegetable
 <b>Finafog 300</b>		62	3.0					Vegetable
 <b>Finafog 400 Liq</b>			5.0					Vegetable
 <b>Finafog 500 Liq</b>			5.0					Vegetable
 <b>Finalux G-121</b>		60	3.0					Vegetable
 <b>Finalux G-728</b>		54	3.0					Vegetable
 <b>Finalux G-748 Liq</b>	0.94	63	8.0			0.5		Vegetable
 <b>Finalux PET 350</b>		60	3.0			1.0	2.0	Vegetable
 <b>Finasperse DT 500 N</b>	0.97	127	12		99	1.0		Vegetable
 <b>Finastat 9500</b>	0.97	68	3.0			0.5		Vegetable
 <b>Finawax B</b>	0.86	110	10	98-100		0.25	2.0	Vegetable
 <b>Finawax C90</b>	0.97	143	5.0		5.0	0.5	3.0	Vegetable
 <b>Finawax E</b>	0.89	83	10	98-100		0.25	2.0	Vegetable
 <b>Finawax ER</b>	0.89	83	10	98-100		0.25	4.0	Vegetable
 <b>Finawax O</b>	0.97	73	10	98-100		0.25	2.0	Vegetable
 <b>Finawax OK</b>	0.97	73	10	98-100		0.5	2.0	Vegetable
 <b>Finawax OR</b>	0.97	70	10	95-100		0.25	10.0	Vegetable
 <b>Finawax OPA</b>	0.86	65	5.0		3.0	0.5	5.0	Vegetable
 <b>Finawax S</b>	0.87	102	10	98-100		0.25	2.0	Vegetable
 <b>Finawax SE</b>	0.86	72	3.0		3.0	0.5	5.0	Vegetable
 <b>Finawax SS</b>		90	8.0					Vegetable
 <b>Finawax VL (EBO)</b>	0.90	116	12.0		4.0	0.5	7.0	Vegetable



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FDA



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# ADDITIVES









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


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

Product Trade Name	PHYSICAL PROPERTIES		
	pH 1% Solution	Iodine Value	Water Content
  <b>Finalux G-1812</b>	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	
  <b>Vivify Wax TW</b>	Homopolymer PE Wax		X				
  <b>Vivify Wax T</b>	Homopolymer PE Wax		X				
  <b>Vivify Wax F</b>	Homopolymer PE Wax		X				
  <b>Vivify Wax M</b>	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
  <b>Vivify Wax TW</b>	105-112	95-102	6-8	15-45	-	0.955
  <b>Vivify Wax T</b>	108-113	98-105	2-4	50-80	-	0.955
  <b>Vivify Wax F</b>	114-120	104-110	1-2	50-80	-	0.955
  <b>Vivify Wax M</b>	99-112	89-102	8-10	<20	18-20	0.955

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**vivify**

COLOR  
INGREDIENTS  
INNOVATION