



Organic Pigments for Plastics



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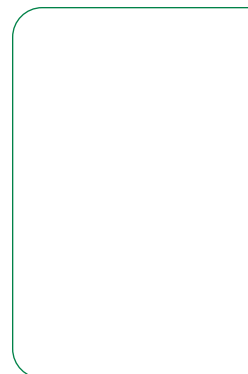
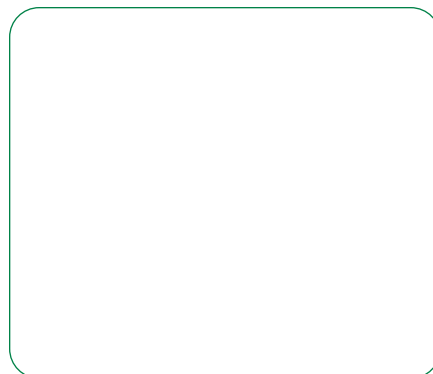
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Trade name CI number	Color shades		FDA Compliant	Physical properties		Heat stability		Fastness properties				Polymer suitability								Application suitability						
	Masstone	Tint 1:10		21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPolyethylene	Polypropylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film
Paliotol Yellow K 0961 HD PY 138			Yes	NA	NA		518	8	8	1	1	5	4	A	A	B	A	B	NR	A	NR	NR	B	C	A	B
Paliotol Yellow K 1700 PY 183			No	NA	NA		536	7	6	1	1	5	3	A	A	C	A	A	B	A	NR	B	B	B	A	B
Paliotol Yellow K 1841 PY 139			No	NA	NA		464	8	8	3	1	5	3	A	A	NR	B	NR	NR	A	NR	NR	B	NR	B	B
Paliotol Yellow K 2270 PY 183			Yes	NA	NA		572	8	8	3-4	4-5	5	3	A	A	C	A	B	B	A	NR	A	B	B	A	B
Diarylide Yellow (opaque) 1270 PY14			No	1.45	26.1	400	T	6*	5*	NR	NR	5	5	D	D	D	D	D	A	NR	NR	B	D	B	C	
Rightfit® Yellow K 1220 PY217			No	1.60	32.3	500	T	6*	5*	NR	NR	5	4	A	A	B	B	B	B	B	T	T	A	D	B	C
Rightfit® Yellow 8G 1222 PY210			No	1.29	5.4	530	T	6*	5*	NR	NR	5	5	A	A	B	B	B	B	B	NR	T	A	D	B	C
Rightfit® Yellow R 1226 PY209:1			Yes	1.62	17.8	550	T	6*	5*	NR	NR	4	2	A	A	B	B	B	B	B	NR	T	A	D	B	C
Rightfit® Yellow K 1994 PY62			No	1.52	13.9	525	T	6*	5*	NR	NR	5	5	A	C	C	C	C	C	B	NR	T	A	C	B	C
Rightfit® Yellow 1292 PY205			No	1.44	5.0	550	T	5*	4*	NR	NR	5	5	A	A	B	B	C	B	B	NR	T	B	C	B	C
Rightfit® Yellow 1293 PY212			Yes	1.71	37.0	600	T	5*	4*	NR	NR	3	1	A	A	A	A	A	A	B	NR	T	A	D	B	B
Rightfit® Yellow 1296 PY206			No	1.49	14.5	550	T	7*	7*	NR	NR	5	5	A	A	A	A	A	A	B	NR	T	A	C	C	C

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	Masstone	Tint 1:10		21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPolyethylene	Polypropylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film
Rightfit® Yellow 3R 1298 PY209			Yes	1.45	14.4	550	T	5*	4*	NR	NR	4	1	A	A	A	A	A	A	A	NR	T	A	D	B	C
Synergy™ Yellow HG 6202 NA			Yes	2.37	15.6	625	T	6*	5*	NR	NR	4	4	B	B	B	B	B	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6204 NA			No	1.62	18.8	540	T	8*	8*	7*	7*	5	3	B	B	C	C	B	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6205 NA			No	1.89	10.2	540	T	8*	8*	8*	7*	5	3	B	B	C	C	B	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6207 NA			No	1.81	11.3	540	T	8*	7*	6*	6*	5	3	B	B	C	C	B	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6210 NA			No	1.74	11.9	500	T	8*	7*	7*	5*	5	4	B	B	C	C	B	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6213 NA			No	1.74	17.3	500	T	8*	7*	6*	6*	5	4	B	B	C	C	B	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6222 NA			No	2.13	14.6	550	T	6*	5*	NR	NR	5	5	B	B	C	C	C	C	D	NR	T	B	D	B	B
Synergy™ Yellow 6223 NA			No	2.00	1.2	550	T	6*	5*	NR	NR	5	5	B	B	C	C	C	C	D	NR	T	B	D	B	B
Synergy™ Yellow 6225 NA			No	1.76	18.5	550	T	6*	5*	NR	NR	4	4	B	B	B	B	B	B	B	NR	T	B	D	B	B
Synergy™ Yellow GR 6226 NA			Yes	1.82	25.2	550	T	6*	5*	NR	NR	3	1	B	B	B	B	B	B	B	NR	T	B	D	B	B
Synergy™ Yellow 6233 NA			No	3.28	6.0	500	T	8*	8*	2	1	5	4	B	B	C	C	C	B	B	NR	T	B	B	B	B

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	Masstone	Tint 1:10		21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPolyethylene	Polypropylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film
Synergy™ Yellow 6234 NA			No	3.00	7.0	550	T	8*	8*	5*	2*	5	4	B	B	C	C	C	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6235 NA			No	3.41	5.8	500	T	7*	6*	4*	2*	5	4	B	B	C	C	C	B	B	NR	T	B	B	B	B
Synergy™ Yellow 6261 NA			No	2.71	10.1	575	T	6*	5*	NR	NR	5	4	B	B	B	B	B	B	B	NR	T	B	D	B	B
Synergy™ Yellow 6268 NA			No	1.97	20.8	525	T	6*	5*	NR	NR	4	4	B	B	B	B	B	B	B	NR	T	B	D	B	B
Synergy™ Yellow 6290 NA			No	2.26	15.1	550	T	6*	5*	NR	NR	3	1	B	B	B	B	B	B	B	NR	T	B	D	B	B
Synergy™ Yellow L 6298 NA			Yes	1.72	25.0	625	T	6*	5*	NR	NR	4	4	B	B	B	B	B	B	B	NR	T	B	D	B	B
Pallitol Orange K 2920 P079			Yes	1.73	12.3	550	536	6+*	5+*	NR	NR	5	5	A	A	C	A	A	A	B	NR	T	A	D	B	B
Dianisidine Orange 2915 P016			No	1.36	34.0	345	T	4*	2*	2*	1*	5	C	C	C	C	C	B		NR	T	C	D	C	C	
Synergy™ Orange 6103 NA			No	1.84	15.9	500	T	8*	7*	7*	5*	4	A	A	C	C	C	C	B		NR	T	B	B	B	B
Synergy™ Orange 6106 NA			No	2.09	15.0	500	T	7*	7*	7*	5*	4	A	A	C	C	C	C	B		NR	T	B	B	B	B
Synergy™ Orange 6112 NA			No	1.88	16.6	500	T	8*	8*	8*	4*	4	A	A	C	C	C	C	B		NR	T	B	B	B	B
Synergy™ Orange 6113 NA			No	1.69	16.9	500	T	8*	7*	8*	4*	5	4	A	A	C	C	C	C	B	NR	T	B	B	B	B

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	Masstone	Tint 1:10		21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPE	Polypropylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film
Synergy™ Orange Y 6114 NA			No	1.58	11.4	525	T	8*	8*	8*	7*	5	4	A	A	C	C	C	C	B	NR	T	A	B	B	B
Synergy™ Orange RL 6118 NA			No	1.42	13.1	400	T	8*	8*	7*	6*	5	5	C	C	C	C	C	C	B	NR	T	C	C	C	C
Synergy™ Orange Y 6135 NA			Yes	1.71	14.3	550	T	6*	5*	NR	NR	4	4	B	B	B	B	B	B	B	NR	T	B	D	B	B
Synergy™ Orange HL 6136 NA			No	1.90	17.3	400	T	8*	8*	7*	7*	5	4	B	B	C	C	B	B	B	NR	T	B	B	B	B
Synergy™ Orange 6139 NA			No	1.51	12.5	500	T	8*	8*	6*	6*	4	4	B	B	C	C	B	B	B	NR	T	B	B	B	B
Synergy™ Orange G 6164 NA			Yes	1.70	15.4	550	T	6*	5*	NR	NR	4	4	B	B	B	B	B	B	B	NR	T	B	D	B	B
Synergy™ Orange 6170 NA			No	1.58	10.8	500	T	8*	8*	6*	6*	4	4	B	B	C	C	B	B	B	NR	T	B	B	B	B
Pallogen® Red K 3580 PR 149			Yes	NA	NA		536	8	7	4	3	5	5	A	A	B	A	B	B	A	C	C	B	B	A	B
Pallogen® Red K 3911 H PR 178			Yes	NA	NA		572	8	7	3-4	2	5	5	A	A	B	A	B	A	A	B	A	B	A	A	B
Citation Red Light Barium 1058 PR 48:1			No	2.19	41.6	495	T	5*	4*	NR	NR	5	3	B	B	C	C	C	C	A	NR	T	B	C	B	C
Naphthol Red Light 3169 PR170			No	1.36	16.7	500	T	6*	5*	5*	NR	5	5	B	B	D	D	D	D	B	NR	T	B	B	B	C
Naphthol Red 3170 PR170			No	1.39	10.3	500	T	6*	5*	5*	T	5	5	B	B	D	D	D	D	B	NR	T	B	B	B	C

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	Masstone	Tint 1:10		21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPolyethylene	Polypropylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film
Naphthol Red 3172 PR170			No	1.35	12.7	510	T	6*	5*	5*	NR	5	5	B	B	D	D	D	D	B	NR	T	A	B	B	B
Naphthol Red 3175 PR170			No	1.40	38.8	500	T	6*	5*	5*	NR	5	5	B	B	D	D	D	D	B	NR	T	B	B	B	C
MadderLake conc. 1092 PR 83			No	1.94	87.0	460	T	5*	4*	NR	NR	5	5	B	B	C	C	C	C	A	NR	T	B	B	B	C
Pigment Scarlet 1060 PR 60:1			No	2.23	42.4	500	T	5*	4*	NR	NR	2	1	B	B	C	C	C	C	A	NR	T	B	C	B	C
Rightfit® Red K 3790 PR276			Yes	1.77	19.1	550	T	6*	5*	NR	NR	3	2	A	A	B	B	B	B	B	NR	T	A	D	B	C
Rightfit® Red K 4350 PR277			Yes	1.64	12.3	550	T	6*	5*	NR	NR	3	3	A	A	B	B	B	B	B	NR	T	A	D	B	C
Rightfit® Red 1117 PR281			No	1.62	9.9	625	T	6*	5*	NR	NR	3	3	A	A	B	B	B	B	B	NR	T	A	D	B	C
Rightfit® Pink 1118 PV52			Yes	1.90	9.1	600	T	6*	5*	NR	NR	3	3	A	A	B	B	B	B	B	NR	T	A	D	B	B
Synergy™ Scarlet 6012 NA			Yes	1.69	18.6	550	T	7*	6*	4*	1*	3	3	A	A	B	B	B	B	A	NR	T	A	D	B	C
Synergy™ Red 6016 NA			Yes	2.23	34.3	675	T	7*	6*	5*	4*	5	5	A	A	A	A	A	B	A	NR	T	B	B	B	B
Synergy™ Red 6019 NA			No	1.60	49.1	500	T	7*	7*	5*	5*	5	5	B	B	D	D	D	D	B	NR	T	A	B	B	B
Synergy™ Red 6054 NA			Yes	2.03	18.8	500	T	8*	8*	7*	7*	4	4	A	A	A	A	A	B	A	NR	T	A	B	B	B

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	Masstone	Tint 1:10		21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPolyethylene	Polypropylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film
Synergy™ Red 6065 NA			No	2.19	11.4	550	T	6*	5*	NR	NR	3	3	A	A	A	B	B	B	A	NR	T	B	B	B	B
Synergy™ Red 6069 NA			No	1.44	11.7	500	T	6*	5*	5*	NR	5	5	B	B	D	D	D	D	B	NR	T	A	B	B	B
Synergy™ Red 6075 NA			No	1.41	30.2	500	T	6*	5*	5*	NR	5	5	B	B	D	D	D	D	B	NR	T	A	B	B	B
Transbarium 2B Red 1057 PR 48:1			No	1.91	84.8	495	T	5*	4*	NR	NR	5	3	B	B	C	C	C	C	A	NR	T	B	C	B	C
Synergy™ Magenta 6026 NA			No	2.09	28.6	575	T	8*	8*	7*	6*	5	5	A	A	B	B	B	B	A	NR	T	B	B	B	B
Synergy™ Red 6027 NA			No	1.47	65.0	500	T	8*	8*	7*	6*	5	5	B	B	D	D	D	D	B	NR	T	A	B	B	B
Supermaroon ST 1090 PV 5:1			No	2.07	50.8	460	T	5*	4*	NR	NR	3	2	B	B	C	C	C	C	A	NR	T	B	C	B	C
Paliogen® Red K 4180 PR 179			Yes	NA	NA		572	8	8	5	4	5	5	A	A	B	A	B	A	A	B	B	B	A	A	B
Rightfit® Violet 1120 PV51			No	1.90	17.5	550	T	6*	5*	NR	NR	2	4	A	A	B	B	B	B	B	NR	T	A	D	B	B
Paliogen® Red Violet K 5011 PV 29			Yes	NA	NA		608	8	8	4	3	5	5	A	A	B	A	B	B	A	B	BA	B	A	A	B
HelioGen®Blue K 6850 PB 15			Yes	NA	NA		392	8	8	5	5	5	5	NR	NR	NR	NR	NR	NR	B	NR	NR	NR	NR	NR	NR
HelioGen® Blue K 6902 PB 15:1			Yes	NA	NA		572	8	8	5	5	5	5	A	A	C	B	C	B	A	A	A	C	B	C	B

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	Masstone	Tint 1:10		21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPolyethylene	Polypropylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film
Heliogen® Blue K 6903 PB 15:1			Yes	NA	NA		572	8	8	5	5	5	5	A	A	C	B	C	B	A	A	A	C	B	C	B
Heliogen® Blue K 6907 PB 15:1			Yes	NA	NA		572	8	8	5	5	5	5	A	A	C	B	C	B	A	A	A	C	B	C	B
Heliogen® Blue K 6911 D PB 15:1			Yes	NA	NA		572	8	8	5	5	5	5	A	A	A	A	A	A	A	A	A	A	B	A	A
Heliogen® Blue K 6912 D PB 15:1			Yes	NA	NA		572	8	8	5	5	5	5	A	A	A	A	A	A	A	A	A	A	B	A	A
Heliogen® Blue K 7090 PB 15:3			Yes	NA	NA		536	8	8	5	5	5	5	A	A	C	A	NR	A	A	B	A	B	B	B	B
Heliogen® Blue K 7104 LW PB 15:4			Yes	NA	NA		572	8	8	5	5	5	5	A	A	A	A	A	A	A	A	A	B	B	B	B
Heliogen® Green K 8605 PG 7			Yes	NA	NA		572	8	8	5	5	5	5	A	A	A	A	A	C	A	B	A	B	B	B	B
Heliogen® Green K 8683 PG 7			Yes	NA	NA		572	8	8	5	5	5	5	A	A	A	A	A	C	A	B	A	B	B	B	B
Heliogen® Green K 8730 Z PG 7			Yes	NA	NA		572	8	8	5	5	5	5	A	A	A	A	A	C	A	B	A	B	B	B	B
Heliogen® Green K 8740 LW PG 7			Yes	NA	NA		572	8	8	5	5	5	5	A	A	A	A	A	C	A	B	A	B	B	B	B
Heliogen® Green K 9360 PG 36			Yes	NA	NA		608	8	8	5	5	5	5	A	A	A	A	A	C	A	B	A	B	B	B	B
Lumogen Black FK 4280 NA			No	NA	NA		662	8	8	5	5	N/A	N/A	A	A	A	A	A	A	A	B	A	A	A	A	A

Trade name
CI number

Color shades	
Masstone	Tint 1:10

FDA Compliant	Physical properties		Heat stability		Fastness properties						Polymer suitability								Application suitability				
21 CFR part 178.3297	Specific gravity	Specific surface area (m ² /g)	°F 3 minutes	°F 5 minutes	Lightfastness masstone	Lightfastness tint	Weathering masstone	Weathering 1:1 tint	Acid resistance	Alkali resistance	HDPE	Polyethylene	Polycarbonate	Polystyrene	ABS	PET	PVC	PA	PMMA	Blow molded bottles	Exterior applications	Film	Rotomolding
No	NA	NA		662	8	8	5	5	N/A	N/A	A	A	A	A	A	A	A	B	A	A	A	A	A

Lumogen Black FK 4281
NA

Legend

Lightfast key:

DIN EN ISO 105-B 01.

*0.5% loading Mass tone, tint is 1% at 1:4.

Weathering key:

Based on 3000 hours and evaluated by the grey scale.

3000 hour grey scale:

5 = excellent

1 = poor

*results are based on 1000hrs of weathering and evaluated using a grey scale.

Resistance key:

5 = excellent

4 = very good

3 = good

2 = fair

1 = poor

Suitability key:

A = suitable for this application

B = has been demonstrated to be suitable but limits should be tested before use

C = should be tested before use

D = not normally suggested for this application

NR = not recommended for this use

T = testing required

BASF Performance Chemicals – Pigments for Plastics

BASF is a leading manufacturer and marketer in the worldwide plastics industry. With global distribution, technical support and manufacturing, BASF has the infrastructure to effectively meet the demands of local and worldwide markets.

BASF supplies a full range of organic and inorganic pigments, preparations, UV stabilizers and other additives to the plastics industry. Applications for our products include:

- Automotive
- Construction
- Containers
- Electronics and Appliances
- Fiber
- Film
- Packaging
- Wire and Cable

For more information about BASF's organic pigments, please visit www.basf.com/pigments.

Classical Organic Pigments

BASF offers a broad range of classical organic pigments that combine the right color space, the right performance properties and a competitive price. Our Citation, HP Naphthol and MadderLake conc. pigments are developed and manufactured for a wide range of applications including wire and cable, packaging, household durables, and some exterior applications. Characterized by brilliant hue, high tinctorial strength, and durability, BASF classical organic pigments provide excellent value for each end use.

BASF-branded Organic Pigments

Eupolen® Preparations

Highly concentrated preparations of organic pigments in low density polyethylene or polypropylene.



Heliogen® Pigments

Phthalocyanine blue and green pigments with extremely good fastness and weatherability properties, excellent lot to lot consistency and compatibility with most resins. The FP grade is designed for fiber applications.



Lumogen® Dyes

Fluorescent dyes with excellent heat and light stability.

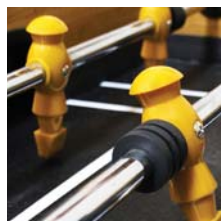
Paliogen® Pigments

High performance organic red pigments with high color strength, outstanding fastness and weatherability properties. Excellent performer in engineering resins with very deep and bright shades.



Paliotol™ Pigments

Paliotol is our trademark for a series of high performance organic yellow pigments with various shades. These pigments offer an array of brilliant shades of yellow: from a greenish to a reddish shade.



Rightfit® Products

Rightfit color pigments bring enhanced value to many packaging, household and other durable plastic applications. They are FDA-compliant pigments specifically developed to reduce the cost of existing plastic formulations by optimizing pigment properties to match the demands of the packaging market.



Synergy™ Color Pigments

Our Synergy co-processed pigments represent a truly “synergistic” use of BASF’s ability to optimize organic and inorganic chemistries around weatherability, heat stability and dimensional stability properties. Many are FDA-compliant and can be used for food packaging. These pigments deliver improved properties and, in many cases, high value compared to alternative pigments in the same shade range. Synergy pigments can expand formulation capabilities into many demanding applications where lightfastness is required.

