



Keystone FDA Compliant Polymer Colors & Brighteners

The following Keystone colorants may be used safely in the manufacture of articles intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting or holding food, subject to provisions and definitions set forth in 21 CFR Part 178.3297 Colorants for Polymers, paragraphs (a) through (e), unless otherwise indicated. We offer these FDA approved colorants, confident that they will meet and exceed expectations for color brilliance and consistent quality in food contact applications.

	Trade Name	Product Code	Color Index Name	Color Index Number
■ BLACKS	MPC Channel Black	110-007-60	C.I. Pigment Black 7	C.I. 77266
	Micropulverized MPC Channel Black	110-007-65	C.I. Pigment Black 7	C.I. 77266
■ BLUES	Keyplast Blue BGL	202-060-60	C.I. Disperse Blue 60 ¹	C.I. 61104
	Keysperse Blue KR	206-104-50	C.I. Solvent Blue 104 ²	C.I. 61568
	Keyplast Blue KGR	210-015-71	C.I. Pigment Blue 15:1	C.I. 74160
	Keysperse Phthalo Blue KG	210-015-80	C.I. Pigment Blue 15:3	C.I. 74160
■ GREENS	Keyplast Green B	406-003-50	C.I. Solvent Green 3 ²	C.I. 61565
	Keyplast Phthalo Green	410-007-60	C.I. Pigment Green 7	C.I. 74260
■ ORANGES	Keyplast Orange LFP	506-060-50	C.I. Solvent Orange 60 ³	C.I. 564100
	Keyplast Orange GP	510-064-50	C.I. Pigment Orange 64 ⁴	C.I. 12760
■ REDS	Keyplast Red 60	602-060-65	C.I. Disperse Red 60 ⁵	C.I. 60756
	Keyplast Red AG	606-135-51	C.I. Solvent Red 135 ²	C.I. 564120
	Keyplast Vat Red V	610-177-50	C.I. Pigment Red 177 ⁴	C.I. 65300
	Keyplast Red KPP	610-254-55	C.I. Pigment Red 254 ⁴	C.I. 56110
■ YELLOWS	Keyplast Yellow 6G	802-201-50	C.I. Disperse Yellow 201 ⁶	Unlisted
	Keyplast Yellow 4GL	802-241-50	C.I. Disperse Yellow 241 ⁷	C.I. 128450
	Keyplast Yellow 3G	806-093-50	C.I. Solvent Yellow 93 ²	C.I. 48160
	Keyplast Yellow AG	806-114-50	C.I. Solvent Yellow 114 ³	C.I. 47020
	Keyplast Yellow 3KLTN	810-110-50	C.I. Pigment Yellow 110 ⁴	C.I. 56280
	Keyplast Yellow 7GK	810-138-50	C.I. Pigment Yellow 138 ⁸	C.I. 56300
	Keyplast Yellow RNB	810-147-50	C.I. Pigment Yellow 147 ⁹	C.I. 60645
	Keyplast Yellow KG	810-180-50	C.I. Pigment Yellow 180 ⁴	C.I. 21290
OPTICAL BRIGHTENERS	Keyfluor White OB-1	915-184-52	Fluorescent Brightener 393 ¹⁰	C.I. 40674
	Keyfluor White OB	915-426-51	Fluorescent Brightener 184 ¹¹	C.I. 515245

See footnotes 1-11 on page 2

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1. Under a Letter of No Objection, FDA allows use of this color up to 0.25% in PET under conditions of use E through H described in CFR Title 21 table 2 of section 176.170(c). For more information see TB 217 Colorants for PET.
2. Under a Letter of No Objection, FDA allows use of this color up to 0.25% in PET under conditions of use A through H described in CFR Title 21 table 2 of section 176.170(c). For more information see TB 217 Colorants for PET.
3. Under a Letter of No Objection, FDA allows use of this color up to 0.25% in PET under conditions of use D through G described in CFR Title 21 table 2 of section 176.170(c). For more information see TB 217 Colorants for PET.
4. For use at levels not to exceed 1.0% by weight of polymers. The finished articles are to contact food only under conditions of use B through H described in CFR Title 21 table 2 of Sec. 176.170(c).
5. Under a Letter of No Objection, FDA allows use of this color up to 0.21% in PET under conditions of use E through H described in CFR Title 21 table 2 of section 176.170(c). For more information see TB 217 Colorants for PET.
6. Under a Letter of No Objection, FDA allows use of this color up to 0.20% in PET under conditions of use C through H described in CFR Title 21 table 2 of section 176.170(c). For more information see TB 217 Colorants for PET.
7. Under a Letter of No Objection, FDA allows use of this color up to 0.16% in PET under conditions of use E through H described in CFR Title 21 table 2 of section 176.170(c). For more information see TB 217 Colorants for PET.
8. For use only at levels not to exceed 1.0% by weight of polymers. The finished articles are to contact food only under conditions of use C through H described in CFR Title 21 table 2 of Sec. 176.170(c); provided further that the finished articles shall not be filled at temperatures not exceeding 158°F.
9. For use at levels not to exceed 0.25% by weight of polyethylene phthalate polymers that comply with CFR Title 21 section 177.1630. The finished articles are to contact food only under conditions of use E, F, and G described in CFR Title 21 table 2 of section 176.170(c), except, when such articles are used with food types III, IV-A, and V described in table 1 of that section, the finished articles are to contact food only under conditions of use D, E, F, and G.
10. For use as an optical brightener for all polymers at a level not to exceed 0.025% by weight of polymer. The finished polymer shall contact foods only of the types identified in CFR Title 21 table 1 of section 176.170(c), under Categories I, II, IV-B, VI-A, VI-B, VII-B, and VIII at temperatures not to exceed 275°F.
11. For use as an optical brightener:
 - a) In all polymers at levels not to exceed 0.015% by weight of the polymer. The finished articles are to contact food only under conditions of use A through H described in CFR Title 21 table 2 of section 176.170(c).
 - b) In all polymers at levels not to exceed 0.05% by weight of the polymer. The finished articles shall contact foods only of the types identified in table 1 of CFR Title 21 section 176.170(c), under categories I, II, IV-B, VI-A, VI-B, VI-C, VII-B, AND VIII under conditions of use A through H described in table 2 of CFR Title 21 section 176.170(c).
 - c) In adhesives complying with section 175.105 and in pressure sensitive adhesives complying with section 175.125 of CFR Title 21.

- In addition to supplying a complete and comprehensive line of colorants, at **Keystone Aniline Corporation** we are committed to providing our customers with the best technical information available. Call **1-800-522-4DYE** for samples or technical assistance.
 - As a Keystone customer, you will have direct access to professionals who can answer technical questions and provide timely assistance.
 - Please give us a call or visit our web site at **www.dyes.com**
- Please feel free to contact us for samples of our dyes, technical specifications, or for formulating assistance.

DISCLAIMER: These data were obtained by testing according to our methods, with any necessary test deviations. Other test methods may give different results. Incoming evaluations, by the customer is therefore unconditionally recommended. The use and application of our colorants and information included is without any warranty, whether expressed or implied, verbal or written. No statements of recommendation contained in this product literature is to be construed as inducement to infringe on any relevant patent now or hereafter in existence.

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