

Heliogen[®] Green K 8730

Chemical type	Cu-phthalocyanine
CI Generic Name	Pigment Green 7
CI Constitution No	74260
Description	Highly transparent mid shade green with high heat resistance, even at low concentrations. Very reliable processing behavior for most polymers and processes. Very good dispersibility. Recommended for PP, PES, PA6 fibers., rubber and PUR. Excellent overall properties make it suitable for indoor and outdoor applications.
Preparations	Depending on the suitability of the pigment, mono-pigment preparations for PVC, polyolefin, elastomers and further polymers may be available. Please contact your local BASF sales representative.

Properties

Coloristic properties



Full shade
over white
0.10 % in PVC



Full shade
over white
0.50 % in PVC



White reduction
1/3 ISD in PVC

L*	65.3	L*	40.4	L*	62.0
a*	-75.7	a*	-47.5	a*	-50.4
b*	18.3	b*	11.8	b*	3.3
C*	77.9	C*	48.9	C*	50.5
h	166.4	h	166.0	h	176.3

1/3 ISD at 1.0 % TiO₂ in HDPE: 0.24 %
1/3 ISD at 1.0 % TiO₂ in PVC: 0.19 %

Physical properties

Product form	Powder
Density	2.26 g/cm ³
Bulk density	0.24 kg/l
Bulk volume	4.2 l/kg
Specific Surface	69.1 m ² /g

Polymer suitability

PVC	■		
LL / LDPE	■	HDPE	■
PP	■	PP fibers	■
PA6	□	PA6 fibers	■
PET	□	PES fibers	■
PC	■	PMMA	□
PS	■	HIPS	■
ABS	□	SAN	■
Rubber	■	PUR	■

■: Recommended □: Limited suitability ☒: Not recommended

If you need information on other polymers, please contact your local BASF representative.

Technical performance

For details regarding the test methods, please refer to the BASF Colorants for Plastics test methods overview or contact your local BASF representative.

PVC-P

	Full shade	White reduction
Pigment concentration	0.10 %	0.20 %
TiO ₂ concentration		2.00 %
Migration (GS)	5	nt
Light fastness (BWS)	8	8
Hot light fastness (GS)	5	5
Weather resistance (GS) 3000 h	5	5
5000 h	5	4-5

nt: not tested

-: below limit of GS 3

HDPE

	Full shade	White reduction
Pigment concentration	0.10 %	0.10 %
TiO ₂ concentration		1.00 %
Heat resistance (°C) Limit DE 3	300	300
Migration (GS)	5	nt
Light fastness (BWS)	8	8
Weather resistance (GS) 3000 h	5	5
5000 h	4-5	4

nt: not tested

-: below limit of GS 3

Warping High
Filter pressure value in PP (bar/g) not tested

PA6

	Full shade	White reduction
Pigment concentration	0.20 %	0.20 %

TiO ₂ concentration		1.00 %
Heat resistance (°C) Limit DE 3	260	260
Migration (GS)	5	nt
Light fastness (BWS)	8	7-8

nt: not tested

PET**Full shade**

Pigment concentration	0.10 %
Heat resistance (°C) Limit DE 3	280
Migration (GS)	5
Light fastness (BWS)	7-8

PC**Full shade**

Pigment concentration	0.10 %
Heat resistance (°C) Limit DE 3	320
Migration (GS)	5
Light fastness (BWS)	8

PMMA**Full shade**

Pigment concentration	0.10 %
Heat resistance (°C) Limit DE 3	260
Migration (GS)	4.8
Light fastness (BWS)	7-8

PS**Full shade****White reduction**

Pigment concentration	0.10 %	0.10 %
TiO ₂ concentration		1.00 %
Heat resistance (°C) Limit DE 3	260	280
Migration (GS)	5	nt
Light fastness (BWS)	7-8	7

nt: not tested

HIPS**White reduction**

Pigment concentration		0.20 %
TiO ₂ concentration		1.00 %
Heat resistance (°C) Limit DE 3		280
Migration (GS)		5
Light fastness (BWS)		6-7

ABS**Full shade****White reduction**

Pigment concentration	0.20 %	0.20 %
TiO ₂ concentration		1.00 %
Heat resistance (°C) Limit DE 3	240	280
Migration (GS)	5	nt
Light fastness (BWS)	6-7	6-7

nt: not tested

SAN

	White reduction
Pigment concentration	0.20 %
TiO ₂ concentration	1.00 %
Heat resistance (°C) Limit DE 3	280
Migration (GS)	5
Light fastness (BWS)	7-8

Regulatory and Compliance status

For details regarding the regulatory and compliance status, please refer to the respective product regulatory information sheets and food contact certificates.

They are available upon request at pigments-safety@basf.com.

Note

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BASF Colors & Effects GmbH
An der Rheinschanze 1
67059 Ludwigshafen am Rhein
www.colors-effects.basf.com
Tesla-ce@basf.com