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Cromophtal® Yellow HRPN

Chemical type

Azo salt

CI Constitution No

18795 : 1

CI Generic Name

Pigment Yellow 191 : 1



full shade over white
(0.1 % in HDPE)



full shade over black
(0.1 % in HDPE)



1/3 ISD in HDPE

L*	80.75	66.51	85.39
C*	84.01	59.42	67.91
h	81.38	86.82	79.10
a	12.59	3.30	12.84
b	83.06	59.33	66.68

Plastics-specific remarks

Attractive and cost effective red shade yellow pigment with excellent performance. Low warping in HD-PE injection molding. Suitable for styrenics and many EPL's.

Application suitability

Recommended:
 PVC
 PVC/Rigid-PVC
 PVC/Plasticized-PVC
 Styrenics
 Styrenics/ABS
 Styrenics/General Purpose PS (GPPS)
 Styrenics/High Impact PS (HIPS)
 Styrenics/SAN
 Polyolefins
 Polyolefins/PP
 Polyolefins/HDPE
 Polyolefins/LDPE/LLDPE
 EPL/PA6
 EPL/PMMA
 Other Polymers–Elastomers/Rubber
 Other Polymers–Elastomers/TPE
 Other Polymers–Elastomers/EVA

Potentially suitable:
 EPL/PC
 EPL/PET
 EPL/PA66
 EPL/PBT
 Other Polymers–Elastomers/PUR Coating

Depth of shade

1/3 ISD % at 1 % TiO ₂ in PVC	0.31
1/3 ISD % at 1 % TiO ₂ in PO	0.35
1/3 ISD % at 1 % TiO ₂ in PS	–

Resistance properties in flexible PVC

	Reduction	Full shade
% Concentration	0.2 colored pigment	0.1 colored pigment
% Concentration	2.0 TiO ₂	– TiO ₂
Heat resistance	5	5
Light fastness	7	8
Migration	5	5
Weather fastness (2000 h)	–	–

Resistance properties in polyolefin

	Reduction	Full shade
Warping in HDPE (Plate test)		none
Warping in HDPE (Disc test)		none
% Concentration	0.1 colored pigment	0.1 colored pigment
% Concentration	1.0 TiO ₂	– TiO ₂
Heat resistance	300	300
Light fastness	6–7	7
Weather fastness (3000 h)	1	3–4

Resistance properties in PET

	Full shade
% Colorant concentration	0.02
Heat resistance	290
Migration	5
Light fastness	7
Weather resistance (3000 h)	–

Resistance properties in PC

	Full shade
% Colorant concentration	0.1
Heat resistance	320
Migration	5
Light fastness	6–7
Weather resistance (3000 h)	–

Resistance properties in PMMA

Full shade

% Colorant concentration	0.05
Heat resistance	280
Migration	5
Light fastness	7–8
Weather resistance (3000 h)	–

Resistance properties in PS

Reduction

Full shade

% Colorant concentration	0.2	0.2
% TiO ₂	1.0	–
Heat resistance	300	300
Migration	5	5
Light fastness	6–7	7

Resistance properties in ABS

Reduction

Full shade

% Colorant concentration	0.2	0.2
% TiO ₂	1.0	–
Heat resistance	300	300
Migration	5	5
Light fastness	6–7	7–8

Resistance properties in PA6

Reduction

% Colorant concentration	0.2
% TiO ₂	0.5
Heat resistance	280
Migration	5
Light fastness	7

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