

Technical Summary



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Fluorescent Dyes for Plastics Available Color Palette

<u>DAYGLO NAME</u>	<u>DAYGLO CODE</u>	<u>COLOR INDEX</u>	<u>HUE</u>	<u>DYE CLASS</u>	<u>RESINS SUGGESTED</u>
Apache Yellow	D- 208	Solvent Green 5	Yellow	Perylene	PS, SAN, PC, ABS, PA , PET
Savannah Yellow	D- 820	Disperse Yellow 82	Yellow Shade	Coumarin	PS, SAN, ABS, PC, PET
Pocono Yellow	D- 098	Solvent Yellow 98	Red Shade	Thio-xanthene	PS, SAN, ABS, PC, PET
Potomac Yellow	D- 838	Solvent Yellow 160	Green Shade	Coumarin	PS, SAN, ABS, PC, PET
Seneca Yellow**	D- 991	Not Listed	Red Shade	Proprietary	PS, ABS, PC, PA, Psulph, PBT
Lackawana Yellow	D- 191	Solvent Yellow 191	Yellow	Thio-xanthene	PS, ABS, PC, PA, Psulph, PBT
Ozark Orange	D- 063	Solvent Orange 63	Red Shade	Thio-xanthene	PS, ABS, PC, PA, Psulph, PBT
Marigold Orange	D- 315	Solvent Orange 115	Red Shade	Thio-xanthene	PS, ABS, PC, PA, Psulph, PBT
Ottawa Red	D- 149	Solvent Red 149	Blue Shade	Anthra-quinone	PS, SAN, ABS, PC, PET, PA
Grand Red	D- 041	Vat Red 41	Blue Shade	Thio-Indigoid	PS, ABS, SAN, PET
Columbia Blue	D- 298	FB – 61	Blue Shade	Coumarin	PS, ABS, SAN, PET
Sky Blue	D- 286	FB – 184	Blue Shade	Thiophene	PS, ABS, SAN, PET
Ice Blue	D-211	FB-393	Blue Shade	Stilbene	PS, ABS, SAN, PET

** MOTO (MADE ONLY TO ORDER)

Application:

DAY-GLO Fluorescent Dyes should be applied in a concentration range of 0.05%-0.1%.

To obtain maximum color development, the dye must be completely dissolved in the plastic resin.

Transparency:

DAY-GLO dyes offer maximum transparency and, therefore, excellent edge glow in clear resins.

Heat Stability: (Temperature °F)

<u>Code</u>	<u>Color</u>	<u>% Dye</u>	<u>GPPS</u>
D-208	Apache Yellow	0.05	554
D-098	Pocono Yellow	0.05	599
D-063	Ozark Orange	0.05	599
D-041	Grand Red	0.05	554
D-838	Potomac Yellow	0.05	581
D-149	Ottawa Red	0.05	554

Lightfastness: (Fadeometer Hours - Carbon Arc)

<u>Code</u>	<u>Color</u>	<u>% Dye</u>	<u>GPPS</u>
D-208	Apache Yellow	0.05	500
D-098	Pocono Yellow	0.05	500
D-063	Ozark Orange	0.05	500
D-041	Grand Red	0.05	100
D-838	Potomac Yellow	0.05	500
D-149	Ottawa Red	0.05	200

Recommended Application:

	<u>D-208</u> <u>Apache</u> <u>Yellow</u>	<u>D-098</u> <u>Pocono</u> <u>Yellow</u>	<u>D-063</u> <u>Ozark</u> <u>Orange</u>	<u>D-041</u> <u>Grand</u> <u>Red</u>	<u>D-838</u> <u>Potomac</u> <u>Yellow</u>	<u>D-149</u> <u>Ottawa</u> <u>Red</u>
Polyolefin	NR	NR	NR	NR	NR	NR
Polystyrene	E	E	E	E	E	E
ABS	G	G	G	G	E	E
Polycarbonate	G	G	G	G	E	G
Acrylic	E	E	E	E	E	E
Nylon 6	G	G	G	G	G	G
PET	G	G	G	G	E	G
PVC, Rigid*	G	G	G	G	G	G

E = Excellent G = Good - should be tested first NR = Not Recommended

*Dyes may bleed in PVC.

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