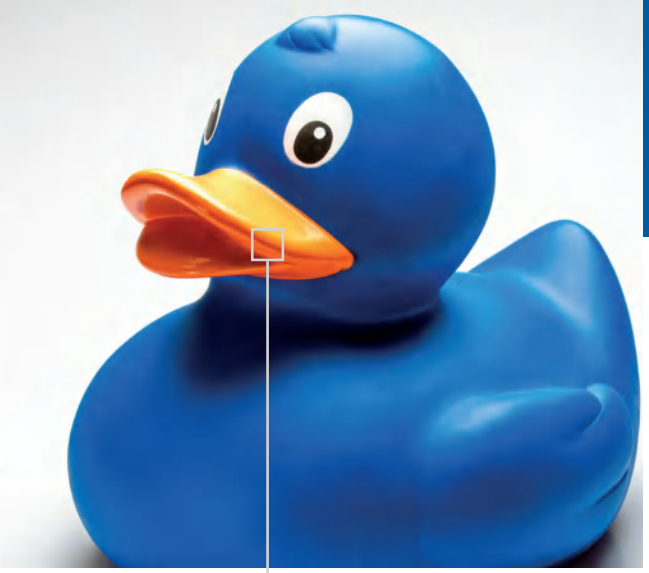
Plastic

Dyes for thermoplastic polymers

IRIS® GREEN

inspired by nature



Plastic

Dyes for thermoplastic polymers, fibers and digital inks

For over 20 years, our mission has been to work alongside our customers, helping them to make the best of their colour offer:

Create Value through Colour

Plastic are soluble organic dyes used for colouring a wide range of thermoplastic polymers and fibers (PS, SB, SAN, PMMA, PC, ABS and their blends, PPO, rigid PVC, PET, PBT, PLA, polyamides). They have a very high coloring strength and high heat stability.

Plastic dyes allow for colours:

- **brilliant and fully transparent** (with transparent amorphous polymers such as PS - SAN - PMMA - PET)
- **pastel, opaque and clean** (in combination with titanium dioxide and / or other organic / inorganic pigments with good opacity)
- **with high light fastness** (depending on dye, its percentage of use and type of polymer used)
- **fluorescent**

Plastic dyes do not apply on polyolefin materials and in the presence of plasticizers because they can present migration problems. With few exceptions, they are suitable for use in contact with food and in toys.

Our range includes some dyes listed as dispersed suitable to produce sublimation inks for digital printing.

Each import is preceded by rigorous tests in our laboratory to ensure a constant and outstanding color quality. All our dyes comply with the REACH regulation. **Iris Green** has a **Regulatory Office** to guarantee compliance with the various markets and maintain constant updates on continuously evolving regulatory requirements.

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Masstone	Code	Name	C.I.	Melting point (°C)	Light fasteness in PS transp. (**)	RESISTANCE TO TEMPERATURE (°C)								
						PS (*) transp. (10 min.)	PS opaq. (10 min.)	ABS opaq. (5 min.)	PMMA transp. (5 min.)	PMMA opaq. (5 min.)	PC transp. (5 min.)	PC opq. (5 min.)	PA6 transp. (5 min.)	PA6 opaq. (5 min.)
	3G	YELLOW	S.Y.93	181	7 – 8	280	280	-	300	300	300	300	-	-
	4G	YELLOW	D.Y.241	254	7	280	280	-	300	260	300	300	-	-
	6G	YELLOW	S.Y.179 / D.Y.201	115	7 – 8	300	300	240	300	300	300	300	-	-
	G	YELLOW	D.Y.54 / S.Y.114	264	7 – 8	300	300	280	300	300	300	300	-	-
	R	YELLOW	S.Y.163	187	7 – 8	300	300	260	300	300	320	320	260	260
	R	ORANGE	D.O.47 / S.O.107	224	7 – 8	300	300	280	280	280	320	320	-	-
	3G	ORANGE	S.O.60	230	7 – 8	300	300	280	300	300	320	320	280	280
	2R	ORANGE	S.O.105/D.O.25	160	7	220	220	-	-	-	-	-	-	-
	OP	RED	S.R.23	199	5 - 6	240	240	-	-	-	-	-	-	-
	G	NEW RED	S.R.111	170	6 – 7	300	280	270	270	270	300	300	280	-
	EG	RED	S.R.135	318	7 – 8	300	280	280	300	300	340	340	280	-
	E2G	RED	S.R.179	254	7 – 8	300	300	280	300	300	340	340	300	300
	B	RED	S.R.195	216	7 – 8	280	280	240	260	260	300	300	-	-
	5B	RED	S.R.52	274	7	300	300	280	300	300	340	300	300	-
	R	RED VIOLET	S.V.59 / D.V.31	186	7	300	300	280	300	300	300	300	-	-
	3R	VIOLET	S.V.36	300	6 – 7	300	300	260	300	300	340	340	280	280
	B	VIOLET	S.V.13 / D.B.72	186	7	300	300	260	300	300	340	340	-	-
	2RA	BLUE	S.B.122	240	7	300	300	280	280	280	300	300	280	280
	OR	BLUE	S.B.35	119	6 – 7	280	280	260	300	300	300	280	-	-
	O/2R	BLUE	S.B.68	192	6	300	300	260	300	300	300	300	-	-
	RR	BLUE	S.B.97	250	7	300	300	260	300	300	300	300	300	300
	FR	BLUE	S.B.104	240	7 – 8	300	300	280	300	300	320	320	280	280
	5B	GREEN	S.G.3	220	7 – 8	300	300	280	300	300	340	340	280	280
	G	GREEN	S.G.28	245	7 – 8	300	300	260	300	300	340	340	-	-
	07	BLACK	Mix	N/D	7	300	300	-	300	300	320	320	-	-
	3G	YELLOW FLUO.	S.Y.98	267	6 - 7	300	300	260	300	280	300	300	280	280
	8G	YELLOW FLUO.	S.G.5	207	6 - 7	300	300	260	300	280	300	300	280	280
	10G	YELLOW FLUO.	S.Y.160:1	209	6	300	300	260	300	280	320	320	240	240
	9G	YELLOW FLUO.	S.Y.185	234	6	260	260	-	-	-	-	-	-	-
	GG	ORANGE FLUO.	S.O.63	320	7	300	280	260	300	280	300	280	280	280
	IGA	RED FLUO.	S.R.197	245	6 - 7	300	300	260	280	280	300	300	-	-
	5B	RED FLUO.	S.R.242 / V.R.41 / D.R.364	280	4	300	280	250	300	280	300	280	-	-
	BA	RED FLUO.	S.R.149	268	4	300	280	300	300	300	340	340	280	280
	IG	RED FLUO.	S.R.196	247	6 - 7	300	300	260	300	300	300	300	-	-

Other fields of use: Plastic dyes are used, after compatibility testing, also in polymers such as SAN, PET, rigid PVC and ABS/PC/PA blend
(*) PS (Polystyrene); ABS (Acrylonitrile butadiene styrene); PMMA (Plexiglass or polymethylmethacrylate); PC (Polycarbonate); PA 6 (Nylon)
(**) Transparent: 0,05% of colorant; Opaque: 0,05% of colorant + 1% of TiO2

IRIS®
GREEN

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Disclaimer: The information we provide, while being based on our best knowledge, can only have indicative nature, therefore they do not imply any responsibility on our part. Since the performance of our products depends also on the additives and polymers used, we recommend customers to test their suitability for the end application. The color samples are printed and therefore the shades are purely indicative. The quality of our products is guaranteed under general conditions of sale.