

KRITILEN®

Single Pigment Concentrates

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Technical information

PLASTIKA KRITIS offers an extensive range of single pigment concentrates (“monomasters”) in pellet form, based on proprietary production technology. The monomasters range includes a number of selected pigments, perfectly dispersed and loaded at high concentrations in LLDPE, fiber grade PP or PS carrier resin. They can be used as a replacement of powder pigments, providing a dust free solution and easier handling.

Typical applications for monomasters is the manufacturing of tailor-made color masterbatches, compounds, thin films, fibers and monofilaments.

A) Polyethylene Monomasters

KRITILEN®	COLOR INDEX	PIGMENT CONTENT (%)	LIGHT-FASTNESS	HEAT RESISTANCE (°C)	FOOD APPROVAL
172	Pigment White 6	70	8	300	Yes
4401P	Pigment Black 7 (A type)	40	8	300	Yes
350	Pigment Black 7 (B type)	50	8	300	No
11030	Pearlescent pigment (A type)	30	8	300	Yes
11040	Pearlescent pigment (B type)	40	8	300	Yes
11745	Pigment Yellow 42	40	8	260	Yes
11439	Pigment Yellow 34 (lemon-A type)	60	7	240	No
11437	Pigment Yellow 34 (lemon-B type)	60	7	240	No
11341	P.Y. 34 (Middle Chrome-A type)	70	8	260	No
11342	P.Y. 34 (Middle Chrome-B type)	70	7	240	No
11831	Pigment Yellow 83	40	6	200	Yes (*)
11171	Pigment Yellow 17	40	5-6	200	Yes (*)
11131	Pigment Yellow 13	40	5-6	200	Yes (*)
11161	Pigment Yellow 61	40	6	240	Yes
11261	Pigment Yellow 62	40	6	240	Yes
11931	Pigment Yellow 93	40	7	280	Yes

KRITILEN®	COLOR INDEX	PIGMENT CONTENT (%)	LIGHT-FASTNESS	HEAT RESISTANCE (°C)	FOOD APPROVAL
11393	Pigment Yellow 139	40	7	240	Yes
11681	Pigment Yellow 168	40	7	260	Yes
11381	Pigment Yellow 183	40	7-8	280	Yes
11191	Pigment Yellow 191	40	7-8	300	Yes
11911	Pigment Yellow 191:1	40	7	300	Yes
11155	Pigment Yellow 155	40	7-8	260	Yes
21041	Pigment Red 104	70	7-8	280	No
21340	Pigment Orange 34	40	7	200	Yes (*)
21641	Pigment Orange 64	40	7	280	Yes
31481	Pigment Red 48:3	40	5	240	Yes
31148	Pigment Red 48:2(A type)	40	6	220	Yes
31348	Pigment Red 48:2(B type)	40	6	220	Yes
31531	Pigment Red 53 :1	40	5	250	No
31535	Pigment Red 53:1 (low Ba content)	40	5	250	Yes
31573	Pigment Red 57 :1	40	5	240	Yes
31124	Pigment Red 122	40	7	290	Yes
31170	Pigment Red 170	40	7	270	Yes
31177	Pigment Red 177	40	7	280	Yes
31254	Pigment Red 254	40	8	290	Yes
31214	Pigment Red 214	40	8	290	Yes
35232	Pigment Violet 23	25	7	250	Yes
35192	Pigment Violet 19	40	8	300	Yes
35151	Pigment Violet 15	60	8	280	Yes
41512	Pigment Blue 15:3 (A type)	40	7	260	Yes
41513	Pigment Blue 15:3 (B type)	40	7	260	Yes
41156	Pigment Blue 15:1 (A type)	40	7	260	Yes
41155	Pigment Blue 15:1 (B type)	40	7	260	Yes
41291	Pigment Blue 29	60	8	300	Yes
51072	Pigment Green 7 (A type)	40	8	300	Yes
51074	Pigment Green 7 (B type)	40	7	260	Yes
51429	Pigment Green 17	40	7	260	Yes
71101	Pigment Red 101 (A type)	70	8	300	Yes
71102	Pigment Red 101 (B type)	70	8	300	Yes
71105	Pigment Red 101 (Trans. Iron Oxide)	35	8	300	Yes
71024	Pigment Brown 24	60	8	320	Yes
80100	Aluminum	30	8	300	Yes
80200	Copper, Zinc (A type)	40	8	200	Yes
80300	Copper, Zinc (B type)	40	8	300	Yes

B) Polypropylene Monomasters (Fiber Quality)

KRITILEN®	COLOR INDEX	PIGMENT CONTENT (%)	LIGHT-FASTNESS	HEAT RESISTANCE (°C)	FOOD APPROVAL
PPF979	Pigment White 6	70	8	300	Yes
PPF9421P	Pigment Black 7	40	8	300	Yes
PPFA935	Pigment Black 7(High jetness)	35	8	300	Yes
PPF10343	PY.34 (Middle Chrome-A type)	60	8	260	No
PPF10392	Pigment Yellow 139	40	7	240	Yes
PPF10552	Pigment Yellow 155	40	7-8	260	Yes
PPF10110	Pigment Yellow 110	40	8	300	Yes
PPF10191	Pigment Yellow 191	40	7-8	300	Yes
PPF10093	Pigment Yellow 93	40	7	280	Yes
PPF20104	Pigment Red 104	60	7-8	280	No
PPF30480	Pigment Red 48:2	40	6	220	Yes
PPF30483	Pigment Red 48:3	40	5	240	Yes
PPF30057	Pigment Red 57:1	40	6	240	Yes
PPF30214	Pigment Red 214	40	7-8	300	Yes
PPF70105	Pigment Red 101 (A type)	60	8	300	Yes
PPF70106	Pigment Red 101 (B type)	60	8	300	Yes
PPF70107	Pigment Red 101 (Trans. Iron Oxide)	35	8	300	Yes
PPF35233	Pigment Violet 23	25	7	250	Yes
PPF40152	Pigment Blue 15:1	40	7	280	Yes
PPF40153	Pigment Blue 15:3	40	7	280	Yes
PPF40292	Pigment Blue 29	50	8	300	Yes
PPF50073	Pigment Green 7	40	7	280	Yes

C) Polystyrene Monomasters

KRITILEN®	COLOR INDEX	PIGMENT CONTENT (%)	LIGHT-FASTNESS	HEAT RESISTANCE (°C)	FOOD APPROVAL
PS760	Pigment White 6	60	8	300	Yes
PS758	Pigment Black 7	50	8	300	No
PS7405	Pigment Black 7	40	8	300	Yes
PS11377	Solvent Yellow 141	30	7	290	Yes (*)
PS11378	Solvent Yellow 114	30	7	280	Yes
PS11279	Solvent Yellow 163	30	7	280	Yes (*)
PS21771	Solvent Orange 60	30	7	290	Yes
PS31333	Solvent Red 111	30	6	280	Yes
PS35938	Pigment Violet 23	20	6	250	Yes
PS35988	Solvent Red 52	30	7	290	Yes
PS35727	Solvent Violet 13	30	7	300	Yes
PS41240	Pigment Blue 15:1	20	8	260	Yes
PS41241	Pigment Blue 15:3	20	8	260	Yes
PS41015	Solvent Blue 35	30	6	280	Yes (*)
PS41014	Solvent Blue 104	30	6	300	Yes
PS51150	Pigment Green 7	20	8	300	Yes
PS71705	Pigment Red 101 (yellowish)	50	8	300	Yes
PS71706	Pigment Red 101 (reddish)	50	8	300	Yes

(*) BfR

Note: the light fastness and heat resistance values mentioned are related to the full shade of pigments used. If monomasters are diluted, light fastness and heat resistance of pigments included in masterbatch is reduced.

Apart from the above products, PLASTIKA KRITIS can produce upon request other single pigment concentrates containing different pigment grades/concentrations or another carrier resin.

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The above information is based on our knowledge and experience and is given in good faith to be used as recommendations for trials only. As the exact conditions of processing and usage of the finished products are beyond our control, this information is provided without any engagement or warranty from our side. Buyer should verify the suitability of the product and determine the appropriate addition rate under the actual conditions of application.