

SUMIPLAST® Colors

Products	Items	Hue	Quality characteristics	Color Index No	Existing Chemical Substance Number	TSCA inventory	Halogen in chemical structure	Bulk specific gravity (ml/g)	Melting point (°C)	Starting temperature of sublimation (°C)	ABS PS PMMA resin	PC resin	PA resin	GP — PS			HI— PS			ABS			PMMA		Polycarbonate						
														Heat stability	light fastness Full	Tint	Heat stability	light fastness Full	Tint	Contact bleed	Heat stability	light fastness Full	Tint	Contact bleed	Heat stability	light fastness Transparent	Opaque	Heat stability	light fastness Transparent	Opaque	
1	Sumiplast Yellow FL7G	Extremely vivid greenish fluorescent yellow	Heat stability, light fastness, contact bleed	S.G.5	5-3132	○	x	6.6	207	342	○	○	○	280°C 10m	6-7	4	280°C 10m	5	3	4-5	270°C 10m	5	3-4	4-5	250°C 10m<	7	5	320°C 10m	6	5	
2	Sumiplast Yellow GC	Versatile yellow		S.Y.16	5-3043	○	x	6.7	157	-	○	-	-	280°C 10m	5-6	4															
3	Sumiplast Yellow R	Economy versatile yellow	Heat stability, light fastness	Combination	Registered combination	-	x	3.2	182	-	○	-	-	280°C 10m	7-8	7-8	280°C 10m	7	6	4	270°C 3m	7	4	4							
4	Sumiplast Red AS	Vivid yellowish red	Heat stability, light fastness	S.R.111	5-3099	○	x	20.2	169	219	○	○	○	280°C 10m	7	7	280°C 10m	5-6	5	3-4	270°C 10m	3-4	3-4	3	250°C 10m<	7	7-8	300°C 10m	6-7	4	
5	Sumiplast Red B-2	Vivid somewhat bluish red	Heat stability, light fastness, Zmark at ABS	D.R.191	5-2523	○	x	3.0	190	246	○	○	○	280°C 10m	6-7	6-7	280°C 10m	5-6	5-6	4-5	280°C 10m	6-7	3-4	4-5							
6	Sumiplast Red FB	Vivid somewhat bluish red	Heat stability, light fastness	S.R.146	5-7076	○	x	3.6	184	286	○	○	-	280°C 10m	7-8	7	280°C 10m	5-6	5	3-4	270°C 3m	6	3	4-5	250°C 10m<	7-8	7-8	300°C 10m	6-7	6	
7	Sumiplast Red 3B	Vivid bluish red		S.R.145	4-697	○	○	3.5	235	232	○	-	-	280°C 10m	6	5	280°C 10m	5-6	3-4	3-4	270°C 3m	4	3-4	3-4	250°C 10m<	8	8				
8	Sumiplast Violet RR	Versatile, vivid violet	Heat stability, light fastness	D.V.28	5-2549	○	○	5.3	289	241	○	○	○	280°C 10m	7-8	6	280°C 3m	5-6	4-5	3-4	270°C 3m	3-4	3-4	4-5	250°C 10m<	7	6	300°C 10m	8	6-7	
9	Sumiplast Violet B	Vivid bluish violet	Heat stability, light fastness, fitness for bluing	S.V.13	5-3110	○	x	8.1	171	281	○	○	-	280°C 10m	6	5	280°C 3m	5-6	4	4-5	270°C 3m	3-4	3-4	4-5	250°C 10m<	7	6-7	300°C 10m	8	6-7	
10	Sumiplast Blue OR	Reddish blue	Heat stability, light fastness, fitness for bluing	Combination	Registered combination	Registered combination	x	5.6	167	260	○	○	-	280°C 10m	6	5-6	280°C 3m	5-6	4	4-5	270°C 3m	3-4	3-4	4-5	250°C 10m<	7	6-7	300°C 10m	8	6-7	
11	Sumiplast Blue SR	Vivid medium blue	Heat stability, light fastness, contact bleed, sublimation fastness	S.B.104	5-5121	○	x	-	243	-	○	○	○	280°C 10m	7	7	280°C 10m	6	6	3	270°C 10m	6-7	6	4	250°C 10m<	7-8	7	320°C 3m	7-8	7	
12	Sumiplast Blue GP	Vivid medium blue	Heat stability, light fastness	S.B.78	5-5119	○	x	9.2	190	269	○	○	○	280°C 10m	6-7	5-6	280°C 3m	5	4	4	270°C 3m	5	4	4	250°C 10m<	6	6-7	300°C 10m	5	5	
13	Sumiplast Blue S	Economy, vivid medium blue		S.B.35	5-3122	○	x	6.0	113	277	○	-	-	280°C 10m	6	5	280°C 3m	5	3-4	3	270°C 3m	4	3	3-4	250°C 10m<						
14	Sumiplast Turq Blue G	Vivid sky blue	Mixed with vivid yellow taking on vivid green	D.B.60	5-2583	○	x	-	194	-	○	○	-	280°C 10m	7	7	280°C 3m	6	6	3	260°C 3m	6-7	6	4	250°C 10m<	7	6	280°C 10m	7	7	
15	Sumiplast Blue OA	Vivid medium blue	Heat stability, light fastness	S.B.36	5-5112	○	x	10.9	152	240	○	-	-	280°C 10m	7	5-6	280°C 3m	5-6	4	3-4	250°C 3m	4-5	3	3-4	250°C 10m<	5-6	5				
16	Sumiplast Green G	Bluish green	Heat stability, light fastness, ebony composition base	S.G.3	5-3131	○	x	8.0	217	354	○	○	○	280°C 10m	7	6	280°C 3m	6-7	5	4-5	270°C 3m	5	5-6	5	250°C 10m<	7	6-7	320°C 10m	7	7	
17	Sumiplast Black G-2	Medium black	Ebony, Fitness for smoke color	Combination	Registered combination	-	x	4.4	-	-	○	-	-	280°C 10m	6	4-5	280°C 10m	6-7	3	3-4	250°C 3m	6-7	1	4	250°C 5m	3	3				
19	Sumiplast Lemon Yellow HGN	Vivid lemon color	Heat stability, light fastness, contact bleed	S.Y.157	5-5037	-	○	6.5	403	337	○	○	-	280°C 10m	5	5	280°C 3m	5-6	4	4-5	270°C 10m	5-6	5-6	4-5	250°C 10m<	5-6	4	300°C 10m	6	5	
20	Sumiplast Lemon Yellow HL	Vivid lemon color	Heat stability, light fastness, contact bleed	S.Y.33	5-3048	○	x	-	243	-	○	○	-	280°C 10m	5	5	280°C 10m	5-6	4	4-5	250°C 3m	5-6	5	4-5	250°C 10m<	5-6	4	320°C 10m	6	5	
21	Sumiplast Yellow HLR	Economy, vivid medium yellow	Heat stability, light fastness	D.Y.54	5-2353	○	x	3.2	267	276	○	○	○	280°C 10m	8	7	280°C 10m	7	7	4	270°C 10m	7	7-8	4	250°C 10m<	8	8	320°C 10m	8	8	
22	Sumiplast Orange HRP	Vivid medium orange	Heat stability, light fastness, contact bleed	S.O.60	5-3076	○	x	20.0	232	264	○	○	○	280°C 10m	8	8	280°C 10m	5-6	7	4-5	270°C 10m	5	4-5	4-5	250°C 10m<	8	7-8	320°C 10m	8	7-8	
23	Sumiplast Red HF4G	Extremely vivid yellowish fluorescent red	Heat stability, light fastness	S.R.150	5-3102		x	3.5	242	270	○	○	○	280°C 10m	3-4	2	280°C 10m	3-4	3-4	4-5	270°C 10m	5	2-3	4-5	250°C 10m<	5	4	300°C 10m	4	3	
24	Sumiplast Red HFG	Extremely vivid bluish fluorescent red	Heat stability, contact bleed, sublimation fastness	S.R.149	5-3101		x	7.7	267	310	○	○	○	280°C 10m	3-4	3	280°C 10m	3-4	3-4	4-5	270°C 10m	4	3-4	4-5	250°C 10m<	5	4-5	300°C 10m	4	3	
25	Sumiplast Red H3G	Vivid medium red	Heat stability, light fastness, contact bleed	S.R.135	5-3098	○	○	8.1	307	328	○	○	○	280°C 10m	7-8	7	280°C 10m	5-6	6-7	4-5	270°C 10m	6-7	4	5	250°C 10m<	8	7-8	300°C 10m	8	7-8	
26	Sumiplast Red H4GR	Vivid medium red	Heat stability, light fastness, contact bleed	S.R.179	5-5087	○	x	6.5	240	323	○	○	○	280°C 10m	7-8	7	280°C 10m	7	6	4-5	270°C 10m	6-7	6	4-5	250°C 10m<	8	7-8	300°C 10m	6-7	6	
27	Sumiplast Red HL2B	Vivid somewhat bluish red	Heat stability, light fastness, contact bleed	S.R.151	5-3103	○	○	9.1	237	367	○	○	○	280°C 10m	7	6-7	280°C 10m	5-6	4-5	4-5	270°C 10m	7	5-6	5	250°C 10m<	8	7	300°C 10m	7-8	6	
28	Sumiplast Red HL5B	Vivid pretty bluish red	Heat stability, light fastness, contact bleed	S.R.52	5-3091	○	x	4.2	264	288	○	○	○	280°C 10m	5-6	4	280°C 10m	5	4	4-5	270°C 10m	5	4	4-5	250°C 10m<	8	7	300°C 10m	7	5	
29	Sumiplast Bordeaux HBL	Vivid bordeaux	Heat stability, light fastness	D.V.26	5-2547	○	x	2.5	170	296	○	-	-	280°C 10m	7-8	6-7	280°C 10m	6	5	4-5	270°C 10m	4	3-4	5	250°C 10m<	7-8	6-7				
30	Sumiplast Black H3B	Bluish black(combination with carbon)	Heat stability, light fastness, contact bleed	Combination	Registered combination	Registered combination	○	4.5	170~240	300	○	○	○	280°C 10m	6-7	6	280°C 10m	6-7	4-5	5	270°C 10m	6-7	3	5	250°C 10m<	6	6	320°C 10m	7	6-7	
31	Sumiplast Black HLG	Bluish black(combination with carbon)	Heat stability, light fastness, contact bleed, ebony	Combination	Registered combination	Registered combination	x	2.7	170~240	300	○	○	○	280°C 10m	6-7	6	280°C 10m	6-7	5	5	270°C 10m	6-7	3	5	250°C 10m<	7	7	320°C 10m	7	6-7	
32	Sumiplast Black HB	Bluish black	Heat stability, light fastness, contact bleed, ebony	Combination	Registered combination	Registered combination	x	2.7	170~240	300	○	○	○	280°C 10m	6-7	6	280°C 10m	6-7	5	5	270°C 10m	6-7	3	5	250°C 10m<	7	7	320°C 10m	7	6-7	