

# POKETONE Coloring Guide

- We recommend pigments for coloring, but don't recommend dyes.

## ※ Recommended Chemical Class of Color

Color Index	Red	Violet	Blue	Green	Yellow
Chemical Class	Perylene Quinacridone	Quinacridone	Phthalocyanine	Phthalocyanine	Benzimidazolone

- The same chemical class also has a difference in additives in the pigment, so you need to select a suitable pigment.

- **Make sure that the injection molding is continuous during the coloring process. Purge and empty the cylinder immediately after completion of the operation.**
- **If crosslink of jelly type occurs in the during injection molding, cylinder cleaning is required immediately.**
- **PCTG (SK Chemical JN-100), High Viscosity PP (Hyosung R200P), GPPS, and HDPE are recommended for cleaning resin.**

→ Colorant inquiry : Clariant(<https://www.clariant.com>), DIC(<https://www.dic-global.com/en/>)

→ MB(Masterbatch) Inquiry: Avient (<https://www.avient.com>)

→ The Poketone M930 Grade is recommended as carrier resin in the manufacture of PK MB.

If you do not need the PK attribute, you can use LLDPE among ready-made resins.

Items	Red								
Color Index	Red 122	Red 149	Red 177	Red 179	Red 202	Red 202	Red 242	Red 247	Red 254
Product code	Quindo Magenta 1222	P.V.Fast Red B	Sunbrite Super Red 177 (227-0177)	Perrindo Maroon 1791	Quindo Magenta 202 (228-6725)	Sunplast G Magenta 202 2B (228-6864)	P.V.Fast Scarlet 4RF	P.V.Fast Red HB	Sunbrite Red 254 (226-6254)
Chemical Class	QuinMonoazoacridone	Perylene	Anthraquinone	Perylene	Quinacridone	Quinacridone	Disazo	Monoazo	Diketopyrrolopyrrole
Compatibility	○	△	○	◎	◎	○	○	X	△
FDA	○	○	○	○	○	○	○	-	○
Maker	DIC	Clariant	DIC	DIC	DIC	DIC	Clariant	Clariant	DIC

Items	Blue								
Color Index	Blue 15:1	Blue 15:1	Blue 15:1	Blue 15:1	Blue 15:1	Blue 15:3	Blue 15:3	Blue 15:3	Blue 15:3
Product code	P.V.Fast Blue A2R	Sunfast Blue 15:1 (248-0061)	Sunfast Blue 15:1 (248-3745)	Fastogen Blue 15:1 (5055AE)	Meghafast Blue BK-P828	Sunfast Blue 15:3 (249-790F)	Sunfast Blue 15:3 (249-908P)	Fastogen Blue 15:3 (PA 5380)	Megha fast Blue BD909 KN P
Chemical Class	Phthalo cyanine	Phthalo cyanine	Phthalo cyanine	Phthalo cyanine	Phthalo cyanine	Phthalo cyanine	Phthalo cyanine	Phthalo cyanine	Phthalo cyanine
Compatibility	◎	○	◎	◎	○	◎	◎	◎	△
FDA	○	○	○	○	-	○	○	○	-
Maker	Clariant	DIC	DIC	DIC	Meghmani	DIC	DIC	DIC	Meghmani

Items	Brown								
Color Index	Black 12	Brown 24	Brown 25	Brown 33	Brown 48	Brown 48	Brown 48	Brown 48	Brown 48
Product code	42-160A	42-118S	P.V.Fast Brown HFR	42-129A	42-551A	42-552A	42-553A	42-554A	42-554A
Chemical Class	Fe.Ti.Zn Oxide	Inorganic	Monoazo	Fe.Cr.Zn Oxide	Fe.Ti.Zn Oxide	Fe.Ti.Zn Oxide	Fe.Ti.Zn Oxide	Fe.Ti.Zn Oxide	Fe.Ti.Zn Oxide
Compatibility	○	○	X	△	X	○	○	○	○
FDA	-	-	-	-	-	-	-	-	-
Maker	Tomatec	Tomatec	Clariant	Tomatec	Tomatec	Tomatec	Tomatec	Tomatec	Tomatec

◎ = Excellent, ○ = Good, △ = Not bad, X=Not recommended

Items	Yellow												
<b>Color Index</b>	Yellow53	Orange64	Orange64	Orange72	Yellow110	Yellow 138	Yellow151	Yellow180	Yellow180	Yellow181	Yellow181	Yellow183	Yellow191
<b>Product code</b>	42-401A	P.V.Fast Orange H2GL	Fanchon Orange 64	P.V.Fast Orange H4GL	Sunbrite Yellow 1101	Sunbrite Yellow 1385	P.V.Fast Yellow H4G	Sunbrite Yellow 1804	P.V.Fast Yellow HG	P.V.Fast Yellow H3R	Sunbrite Yellow 1811	Sunbrite Yellow 1836	P.V.Fast Yellow H2GR
<b>Chemical Class</b>	Inorganic	Benzimida zolone /monoazo	Benzimida zolone /monoazo	Benzimida zolone	Isoindolinone	Quino phthalone	Monoazo	Benzimida zolone disazo	Benzimida zolone disazo	Benzimida zolone /monoazo	Benzimida zolone /monoazo	Monoazo	Monoazo
<b>Compatibility</b>	△	○	△	◎	X	X	△	○	○	○	○	○	△
<b>FDA</b>	-	○	○	-	○	○	○	○	○	○	○	○	○
<b>Maker</b>	Tomatec	Clariant	DIC	Clariant	DIC	DIC	Clariant	DIC	Clariant	Clariant	DIC	DIC	Clariant

Items	Green							Violet				
<b>Color Index</b>	Green 7	Green 7	Green 7	Green 7	Green 7	Green 36	Green 50	Violet 19	Violet 19	Violet 19	Violet 23	
<b>Product code</b>	Heliogen K8730	Sunfast Green 7 (264-0414)	Sunfast Green 7 (264-770F)	Sunfast Green 7 (264-8142)	P.V.Fast Green GNX	Heliogen K9360	Tomatec 42-633A	Quindo Violet 19 (228-1158)	Quindo Violet 19 (228-5199)	Quindo Red 19	P.V.Fast Violet RL	
<b>Chemical Class</b>	Phthalocyanine	Phthalocyanine	Phthalocyanine	Phthalocyanine	Phthalocyanine	Phthalocyanine	Inorganic	Quinacridone	Quinacridone	Quinacridone	Dioxazine	
<b>Compatibility</b>	X	X	○	X	◎	X	○	○	○	◎	X	
<b>FDA</b>	-	○	○	○	○	-	-	○	○	○	-	
<b>Maker</b>	BASF	DIC	DIC	DIC	Clariant	BASF	Tomatec	DIC	DIC	DIC	Clariant	

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