



HOWREN SILICONES

| Color Masterbatch &
| Color Paste Catalogue



Howren Trading Co., Ltd

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Part of your life

Introduction

Howren Trading Co., Ltd., a professional manufacturer and distributor of silicone raw materials and specialty chemicals, was founded in 1970. As a leading supplier of chemical products in Asia as well as developing our own brand - **HOWREN SILICONES** (HR), we could develop suitable materials for customer, and satisfy all demands of product specifications and processing conditions via our professional technology and experience.

We are an expert in making color masterbatch and color paste. There are standard color and customized color options available for your selection. We can also design and produce series of silicone pigments with excellent heat and light fastness properties, and rarely color migration.

Color Masterbatch

We provide the general color masterbatch and fluorescent color masterbatch with premium properties of dispersion, colorability, and odorless, which can be applied to solid silicone rubber (HTV/HCR).

Color Paste

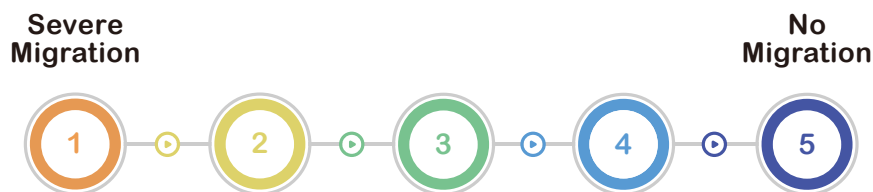
Color paste is suitable for liquid silicone rubber, and offers superior color density and saturation, which has good dispersion and compatibility when mixed with silicone rubber.

Note: Color depth & sharpness can be adjusted by self-modifying the adding ratio according to your preference.

PROPERTIES

Migration Fastness (1-5)

The purpose of this test is to make sure whether the color migrates during the manufacturing process. The test result is presented by 5-level scale where 5 refers to no migration, and 1 refers to severe migration.

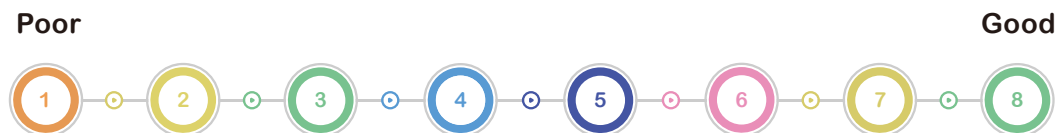


Heat Resistance (°C)

We measure the heat resistance of color masterbatch by using 100:1 ratio mixture baking at 200 °C in four-hours, and check the color changing in comparison with the original sample to conclude the degree of heat resistance.

Light Fastness (1-8)

The full shade is tested without TiO₂ in the same pigment concentration. The performance is monitored by 8 levels with 8 refers to good and 1 refers to poor light fastness.



Note: The information corresponds to the present state of our knowledge. We assume no liability with any use of this information and recommend customers to conduct their own tests under the relevant working conditions before use. All data are advised to be confirmed by testing under actual conditions of use.

General Color Masterbatch & Properties

Color 顏色	Product Number 型號	Product Name 品名	Migration Fastness 色遷移	Heat Resistance 耐熱性	Light Fastness 耐光色牢度	Chemical Structure 化學結構
	HR-1001	Rose Red 玫瑰紅	4	180~200°C	5-6	Organic
	HR-1100	Red 紅色	4	180~200°C	6-7	Organic
	HR-2109	Ruby 鮮紅色	4	180~200°C	6-7	Organic
	HR-1106	Dark Red 暗紅色	4	200°C	6-7	Organic
	HR-1701	Purplish Red 紫紅色	4	200°C	7-8	Organic
	HR-3201	Orange 橘色	4	150~200°C	5-6	Organic
	HR-3150	Light Orange 淺桔黃	4	150~200°C	5-6	Organic
	HR-3151	Yellow 黃色	4	150~200°C	5-6	Organic
	HR-2329	Bright Yellow 亮黃色	4	150~200°C	7-8	Inorganic
	HR-2330	Chrome Yellow 鉻黃	4	150~200°C	7-8	Inorganic
	HR-2340	Champagne Yellow 香檳黃	4	150~200°C	7-8	Inorganic
	HR-1602	Khaki 卡其色	5	200°C	7-8	Inorganic
	HR-3812	Tan 土珠色	5	200°C	7-8	Inorganic



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General Color Masterbatch & Properties

Color 顏色	Product Number 型號	Product Name 名品	Migration Fastness 色遷移	Heat Resistance 耐熱性	Light Fastness 耐光色牢度	Chemical Structure 化學結構
	HR-1400	Green 綠色	4	200°C	5-6	Organic
	HR-1430	Grass Green 草綠色	5	200°C	7-8	Inorganic
	HR-1528	Classic Blue 經典藍	4	150~200°C	5-6	Organic
	HR-1512	Acid Navy Blue 天青耐酸藍	4	200°C	7-8	Inorganic
	HR-1520	Navy Blue 天青藍	4	200°C	7-8	Inorganic
	HR-1521	Ultramarine 極濃海藍	4	200°C	7-8	Inorganic
	HR-2383	Brilliant Violet 紫色	4	150~200°C	5-6	Organic
	HR-1924	White 白色	5	200°C	7-8	Inorganic
	HR-1801	Black 黑色	5	200°C	7-8	Inorganic
	HR-6802	Dark Gray 深灰色	5	200°C	7-8	Inorganic
	HR-6803	Light Gray 淺灰色	5	200°C	7-8	Inorganic



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Fluorescent Color Masterbatch & Properties

Color 顏色	Product Number 型號	Product Name 品名	Migration Fastness 色遷移	Heat Resistance 耐熱性	Light Fastness 耐光色牢度	Chemical Structure 化學結構
	HR-1201	F. Phloxine 螢光紅	4	150~200°C	5-6	Inorganic
	HR-1721	F. Darkmagenta 螢光玫瑰紫	4	150~200°C	5-6	Inorganic
	HR-1722	F. Magenta 螢光玫瑰紅	4	150~200°C	5-6	Inorganic
	HR-1202	F. Pink 螢光粉紅	4	150~200°C	5-6	Inorganic
	HR-1241	F. Orange 螢光橘	4	150~200°C	5-6	Inorganic
	HR-1341	F. Yellow 螢光黃	4	150~200°C	5-6	Inorganic
	HR-1441	F. Green 螢光綠	4	150~200°C	5-6	Inorganic
	HR-1531	F. Blue 螢光藍	4	150~200°C	5-6	Inorganic
	HR-1741	F. Purple 螢光紫	4	150~200°C	5-6	Inorganic



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Color Paste & Properties

Color 顏色	Product Number 型號	Product Name 名品	Migration Fastness 色遷移	Heat Resistance 耐熱性	Light Fastness 耐光色牢度	Chemical Structure 化學結構
	HR-CLR-R02	Red 紅色色膏	4	120~150°C	5-6	Organic
	HR-CLR-O01	Orange 橘色色膏	4	120~150°C	4-5	Organic
	HR-CLR-Y02	Yellow 黃色色膏	4	120~150°C	4-5	Organic
	HR-CLR-Y14	Chrome Yellow 鉻黃色膏	4	120~150°C	7-8	Inorganic
	HR-CLR-G02	Green 綠色色膏	4	120~150°C	5-6	Organic
	HR-CLR-L02	Blue 藍色色膏	4	120~150°C	5-6	Inorganic
	HR-CLR-L03	Navy Blue 深藍色色膏	4	120~150°C	5-6	Inorganic
	HR-CLR-W02	White 白色色膏	4	120~150°C	5-6	Inorganic
	HR-CLR-B02	Black 黑色色膏	4	120~150°C	5-6	Inorganic



HOWREN SILICONES

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