

WX Series

Unleaded Glass Enamels With Alkaline Resistance

Markets and industries

Enamels for the decoration of decorating returnable bottles.

COLOR	PART NUMBER	PANTONG
RED	WX 10611*	186C
IRON RED	WX 10311	174C
JUICY LEMON YELLOW	WX 20811	102C
WHITE	WX 30311	102C
FANTA GREEN	WX 42211	360C
MIRINDA GREEN	WX 42111	347C
MONTAIN DEW GREEN	WX 41111	380C
FANTA BLUE	WX 52111	661C
COFFEE BROWN	WX 60111	490C
BLACK	WX 70211	
METALLIC GOLD	WX 81111	
METALLIC SILVER	WX 82011	
METALLIC COPPER	WX 83011	

* cadmium containing colors

Chemical composition

Enamels of WX series do not contain heavy metals like Pb, Cd, Hg and Cr⁶⁺ except some colors like red, yellow and orange which have to use cadmium pigments to satisfy the requirements by customers.

Firing conditions

Firing from room temperature to 630~650°C in a cycle of 45 min to 1.5 hour, with a soaking period of approx. 10 min.

Chemical resistance

Alkaline resistance assessment according to ASTM C675-91,

9.1 % sodium hydroxide, 0.9 % trisodium phosphate. At 88°C, 2 hours * 4 cycles (total 8 hours).

Acid resistance assessment according to ASTM C724-91,

10 % citric acid, 15mins at 22±2°C, Grade: 4.

Limitation of Warranty and Liability

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WX 系列

无铅耐碱玻璃釉料

市场行业

用于装饰可回收类玻璃瓶的釉料。

颜色	编号	潘通色卡号
红色	WX 10611*	186C
铁红	WX 10311	174C
柠檬黄	WX 20811	102C
白色	WX 30311	102C
芬达绿	WX 42211	360C
美年达绿	WX 42111	347C
激浪绿	WX 41111	380C
芬达蓝	WX 52111	661C
咖啡棕	WX 60111	490C
黑色	WX 70211	
金色 (珠光)	WX 81111	
银色 (珠光)	WX 82011	
铜色 (珠光)	WX 83011	

*颜色中含镉

化学成分

WX 系列釉料不含铅、镉、汞、+6 价铬等重金属，除了为满足客户需求而含镉的一些颜色，像红色、黄色和橙色。

焙烧工艺

经过 45 分钟到 1.5 小时从室温升温到 630~650°C 后，保温 10 分钟左右。

耐化学性

耐碱性评估根据 ASTM 标准 C675-91，

9.1%氢氧化钠，0.9%磷酸钠，88°C 下 2 小时 * 4 个循环（合计 8 个小时）。

耐酸性根据 ASTM 标准 C724-91，

10%柠檬酸，22±2°C 下 15 分钟，等级: 4。

保证和责任限制

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