

W Series

Leaded Glass Enamels With Alkaline Resistance

Markets and industries

Enamels for the decoration of decorating returnable bottles.

| COLOR | PART NUMBER | PANTONG | COLOR | PART NUMBER | PANTONG |
|-------------|-------------|---------|-----------------|-------------|---------|
| LIGHT RED | W 10331* | 485C | PEPSI RED | W 10531* | 186C |
| RED | W 10431* | 3517C | PEPSI BLUE | W 50431 | 2387C |
| YELLOW | W 20331* | 7408C | COKE RED | W 10531* | 186C |
| WHITE | W 30131 | | COKE ZERO BLACK | W 70131 | |
| GREEN | W 40131 | 348C | METALLIC GOLD | W 81031 | |
| OLIVE GREEN | W 40231 | 7743C | METALLIC SILVER | W 82031 | |
| BLUE | W 50331 | 2728C | METALLIC COPPER | W 83031 | |
| LIGHT BLUE | W 50531 | 2727C | | | |
| BROWN | W 60231 | 497C | | | |
| BLACK | W 70131 | | | | |
| FLUX | W 001 | | | | |
| ETCH | W 00231 | | | | |

Chemical composition

Enamels of W series contain lead. And some colors like red, yellow and orange have to use cadmium pigments to satisfy the requirements by customers.

Firing conditions

Firing from room temperature to 600~630°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, 3.7% hydrochloric acid 15mins at 22±2°C. Grade: 4.

Limitation of Warranty and Liability

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W 系列

含铅耐碱玻璃釉料

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 | 颜色 | 编号 | 潘通色卡号 |
|-----|----------|-------|---------|----------|-------|
| 浅红 | W 10331* | 485C | 百事可乐红 | W 10531* | 186C |
| 红色 | W 10431* | 3517C | 百事可乐蓝 | W 50431 | 2387C |
| 黄色 | W 20331* | 7408C | 可口可乐红 | W 10531* | 186C |
| 白色 | W 30131 | | 零度可乐黑 | W 70131 | |
| 绿色 | W 40131 | 348C | 金色 (珠光) | W 81031 | |
| 橄榄绿 | W 40231 | 7743C | 银色 (珠光) | W 82031 | |
| 蓝色 | W 50331 | 2728C | 铜色 (珠光) | W 83031 | |
| 浅蓝 | W 50531 | 2727C | | | |
| 棕色 | W 60231 | 497C | | | |
| 黑色 | W 70131 | | | | |
| 浅蓝 | W 001 | | | | |
| 蒙砂 | W 00231 | | | | |

*颜色中含镉

化学成分

W 系列釉料含铅元素。为满足客户需求，某些颜色像红色、黄色和桔色使用含镉的颜料。

焙烧工艺

经过 45 分钟到 1.5 小时从室温升温到 600~630°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, 3.7%盐酸, 22±2°C 下 15 分钟, 等级: 4。

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