

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 10431* | 186C |
| RED | W 10431* | 186C | PEPSI BLUE | W 50331 | 293C |
| YELLOW | W 20331* | 123C | COKE RED | W 10431* | 186C |
| WHITE | W 30131 | | COKE ZERO BLACK | W 70131 | |
| GREEN | W 40131 | 7733C | SPRITE YELLOW | W 20431* | 107C |
| OLIVE GREEN | W 40231 | 7743C | SPRITE BLUE | W 50331 | 293C |
| BLUE | W 50331 | 293C | MIRINDA GREEN | W 40331 | 347C |
| AZURE BLUE | W 50431 | 2388C | | | |
| LIGHT BLUE | W 50531 | 2727C | | | |
| BROWN | W 60231 | 4625C | | | |
| BLACK | W 70131 | | | | |
| FLUX | W 001 | | | | |
| ETCH | W 00231 | | | | |

* cadmium containing colors

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, 2 hours at 88°C. Grade: 5 to 6 cycles.

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

We believe that the information shared in this document is accurate at the time of its publication. It is not a product specification, either in whole or in part. Users are responsible for determination of the suitability of this product and for testing in specific applications. Please test first before use. Nothing in this document shall be construed as a license for use that infringes upon any property rights of any third party. Please refer to the Safety Data Sheet (SDS) for safe use, handling and disposal information.

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 10431* | 186C |
| 红色 | W 10431* | 186C | 百事可乐蓝 | W 50331 | 293C |
| 黄色 | W 20331* | 123C | 可口可乐红 | W 10431* | 186C |
| 白色 | W 30131 | | 零度可乐黑 | W 70131 | |
| 绿色 | W 40131 | 7733C | 雪碧黄 | W 20431* | 107C |
| 橄榄绿 | W 40231 | 7743C | 雪碧蓝 | W 50331 | 293C |
| 蓝色 | W 50331 | 293C | 美年达绿 | W 40331 | 347C |
| 湛蓝 | W 50431 | 2388C | | | |
| 浅蓝 | W 50531 | 2727C | | | |
| 棕色 | W 60231 | 4625C | | | |
| 黑色 | W 70131 | | | | |
| 调色剂 | W 001 | | | | |
| 蒙砂色 | 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。等级:5 至 6 个循环。

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。

保证和责任限制

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