

抗菌玻璃粉末

Antibacterial Glass Powder



ZF-0、DL-7900是新型抗菌玻璃粉末，主要成分為鋅。相較於主要成分為銀的傳統抗菌玻璃，新型玻璃粉末的優勢在於不易使樹脂變色，並提供更好的成本效益。

ZF-0 and DL-7900 are new types of antibacterial glass powders that are mainly composed of zinc. Compared to conventional antibacterial glass, which is mainly composed of silver, they are advantageous in that they make it difficult for resin to become discolored, and they also provide better cost performance.

特色

Features

玻璃代碼 Glass code	ZF-0	DL-7900
玻璃類型 Glass type	ZnO-B ₂ O ₃	ZnO-B ₂ O ₃ -Ag ₂ O
樹脂抗變色性 Resin discoloration resistance	◎	◎
抗菌持續性 Durability of antibacterial property	◎	◎
初期抗菌性 Initial antibacterial property	△	◎

抗菌活性值 Antibacterial Activity Value

(JIS Z 2801:2010)

玻璃代碼 Glass code	ZF-0	DL-7900
與PP樹脂的混合量 Adding ratio into PP resin (wt%)	0.5	0.3
大腸桿菌 E. coli	3.4	4.2
金黃色葡萄球菌 S. aureus	4.1	2.9

※上述資料為測量範例。
The above data are measuring example.



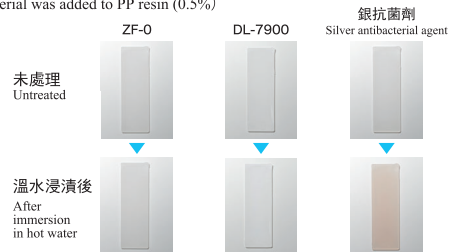
PP(無添加)
PP (No additives)

PP(含ZF-0)
PP (Containing ZF-0)

溫水浸漬變色測試

Color Change Test with Warm Water Immersion

將材質加入PP樹脂 (0.5%)
The material was added to PP resin (0.5%)



應用範例

Applications

- 家電(冰箱、空調、吸塵器等)
- 日常用品(廚房用具、衛浴用品等)
- Consumer electronics (refrigerators, air conditioners, vacuum cleaners, and other items)
- Daily use items (kitchenware, bathroom goods, and other items)