

Microkiller®

迈 抗 力



抗菌母粒

Antibacterial Masterbatch



Microkiller® 抗菌母粒是将抗菌剂均匀分散在基体树脂中所制成的浓缩物。该类母粒的主要功能是通过与粒子树脂混合，经过加工成型过程，赋予制品一定的抗菌效果。

Microkiller® antibacterial masterbatch is a concentrate made by evenly dispersing the antibacterial agent in the base resin. The main function of this type of masterbatch is to give the product a certain antibacterial effect through mixing with the particle resin and undergoing a molding process.

– 减少共混成型过程中的粉尘污染

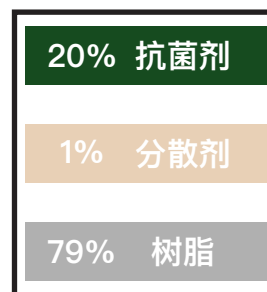
Reduce dust pollution during compounding

– 提高工艺稳定性、分散性、加工效率

Improve process stability, dispersibility and processing efficiency

– 减少喂料设备投入

Reduce equipment investment



◆ 加工方法

以抗菌剂（粉末）添加量为 1% 为例

Take the addition amount of antibacterial agent (powder) as 1% as an example



◆ 定制流程



客户方提供具体需求信息

* 包括最终制品、材质、销售地

The customer provides specific demand information.

整合客户信息，定制专业母粒
解决方案，提供定制母粒样品

* 为保证后续加工材质相容性，我们可定制细节至对应树脂牌号的功能性母粒

Integrate customer information, customize professional masterbatch solutions, and provide customized masterbatch samples.

定制好的母粒
提供给客户加工生产

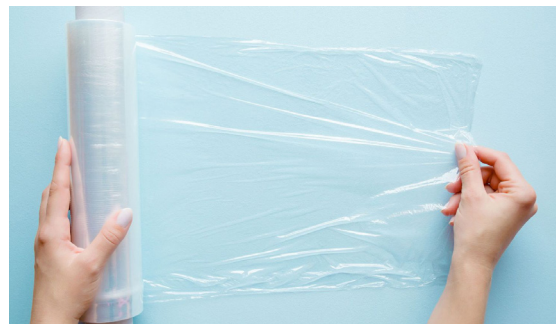
Customised masterbatch is provided to customers for processing and production.

◆ 应用案例

案例一：PE 保鲜膜，添加 2%Microkiller® 抗菌母粒。

Case 1: PE food wrap, adding 2% Microkiller antibacterial masterbatch.

试验菌种 Test Stains	抗菌活性值 Antibacterial activity value	抗菌率 (%) Antibacterial Rate
大肠杆菌 E.coli	>5.8	>99.9
金黄色葡萄球菌 Staph.aureus	>5.2	>99.9



案例二：PPR 水管，添加 2.5%Microkiller® 抗菌母粒。

Case 1: PPR water pipe, adding 2.5% Microkiller antibacterial masterbatch.

试验菌种 Test Stains	抗菌活性值 Antibacterial activity value	抗菌率 (%) Antibacterial Rate
大肠杆菌 E.coli	>5.8	>99.9
金黄色葡萄球菌 Staph.aureus	>5.2	>99.9

