

Defend Rx masterbatches from Compounding Solutions incorporate the silver ion antimicrobial technology of leading antimicrobial provider BioCote® into thermoplastic resin carriers. Below are the offered masterbatch products which should be selected based on best pairing the compatability of the masterbatch carrier with the resin it is being let down into. Custom compounding of the antimicrobial powder into a thermoplastic carrier resin of choice is available upon request.

Product Offerings

- Defend Rx U1000 – Universal Antimicrobial Masterbatch, 4wt.% LDR.
- Defend Rx PA2000 – PEBA Antimicrobial Masterbatch, 4wt.% LDR.
- Defend Rx PU3000 – Thermoplastic Polyurethane Antimicrobial Masterbatch, 4wt.% LDR.

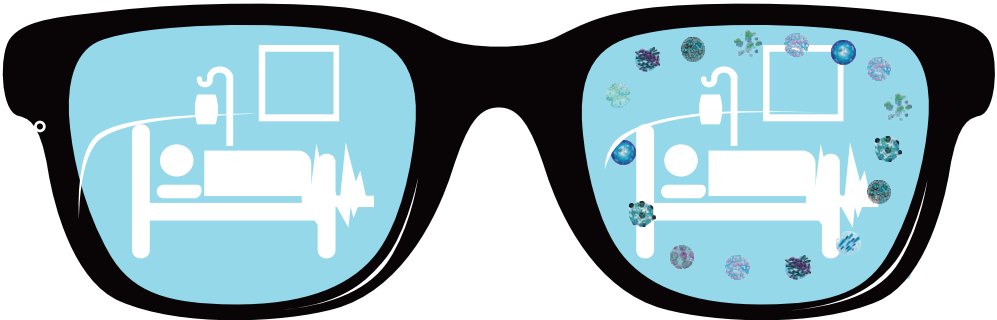
Advantages of Defend Rx:

- Excellent thermal and oxidative stability which reduces the risk of material discoloration and improves aesthetics
- Relatively low loading of BioCote antimicrobial needed for designed performance
- Relatively low material cost and easy to process compared to other medical antimicrobial technologies
- Consistently high efficacy rates across a variety of microbes in many different thermoplastics
- Longevity of antimicrobial performance for the expected lifetime of the product
- Devices containing Defend Rx technology can continue to use the typical sterilization methods that are recommended for the bulk polymer type and the application.

Typical Medical Device Applications:

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|--------------------------------|-----------------------|
| • Scopes | • Gloves |
| • PICC lines | • PICC lines |
| • Reusable devices | • Medical Textiles |
| • Orthopedic implants | • Sharps |
| • Dialysis | • Wound Care |
| • Wearables technologies | • Connectors/Adapters |
| • Filters/Purification Systems | • Housings |
| • Bedding | |

Defend Rx masterbatches are available in quantities as low as 1 lb, making them an affordable, high performance solution for protecting your patients and devices.



With
DefendRx
Antimicrobial Masterbatches

Without
DefendRx
Antimicrobial Masterbatches

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