



Universal Antimicrobial Masterbatches

Adding antimicrobial protection to your clear or opaque medical product is very easy with Defend®Rx antimicrobial masterbatches from Compounding Solutions. Defend®Rx antimicrobial masterbatches are available in a wide range of proven medical-grade antimicrobial technologies which can be used in any thermoplastic – even high temperature materials, all without affecting mechanical properties. Customize your preferred let down ratio, carrier resin, and even include other additives, such as PurTone™ Rx medical grade color, or Mastermark™, into the same antimicrobial masterbatch or full compound to simplify processing and provides consistency.

Advantages of Defend®Rx:

- Excellent thermal and oxidative stability
- Maintain Visual Transparency
- Longevity of antimicrobial performance
- Compatible with typical sterilization methods

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



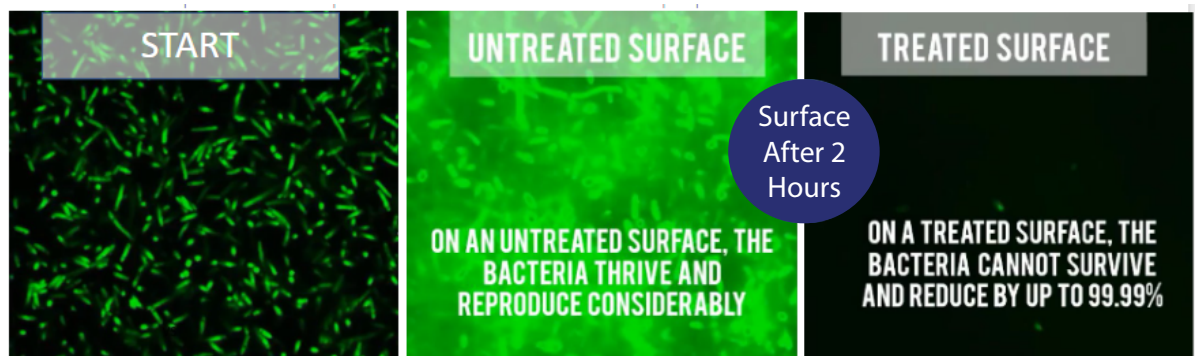


Typical Medical Device Applications:

Scopes
PICC lines
Reusable devices
Orthopedic implants
Dialysis
Wearables
Filters/Purification Systems
Wound Care
Connectors/Adapters
Housings

Typical Consumer Good Applications:

Food Packaging
Fitness / Activity Trackers
Sportswear
Armbands
Headphones
Earbuds
Eyewear
Handheld Devices
Electronic / Mobile Phone Cases



Effectiveness at 4% loading of Defend Rx			
Material Description	Test Standard	Test Bacterium	% Reduction
Pellethane 2363-90A	ISO 22196	S. aureus / E. Coli	99.96 / 99.98
Pebax 7233 SA01 MED	ISO 22196	S. aureus / E. Coli	99.90 / 99.01
Pebax 7233 SA01 MED, 30% BaSO4	ISO 22196	S. aureus / E. Coli	99.96 / 99.99
Lustran 348 ABS	ISO 22196	S. aureus / E. Coli	99.89 / 99.99
Makrolon 2458 PC	ISO 22196	S. aureus / E. Coli	99.99 / 99.99
Dow 8907 Health+ HDPE	ISO 22196	S. aureus / E. Coli	99.70 / 99.99



Compounding Solutions is a global leader in custom engineered thermoplastic compounds, color concentrates and additive masterbatches for medical applications. We produce compounds of the highest quality and consistency in our controlled production area and offer complimentary technical expertise, full regulatory support, and MOQs of just 1kg in an optimized process built for speed.