



**Product Description**

**MCX 122677  
Antimicrobial Masterbatch  
Polyurethane Thermoplastic Elastomer (TPU)**

**Product Code ..... MCX 122677**

**Description**

MCX 122677 is a 25% active silver-based antimicrobial masterbatch formulated specifically for use into polyurethane thermoplastic elastomer (TPU) compounds. This additive achieves high performance at relatively low concentrations with minimal affect to physical properties and is light resistant and stable with little or no discoloration with age.

*Antimicrobial compounds can help protect parts against staining, odors, and degradation due to fungi, mold, yeasts, mildew, algae and other microbes. This material does not protect users or others against food-borne or disease-causing bacteria. For more information please reference EPA Pesticide Registration Notice 2000-1.*

**Composition**

Antimicrobial ..... 25% Silver-based  
Resin/Carrier ..... Proprietary

**General and Technical Data**

Recommended letdown ..... 2% to 6% depending on desired efficacy  
FDA applications ..... 2% to 4%  
Pellet size ..... 60 pellets/gram  
Form supplied ..... Pellets  
Application ..... Injection Molding/extrusion/film  
Heat stability (additive) ..... 500°C  
Packaging ..... Gaylord, drum, or bag

**Regulatory**

Components of MCX 122677 are compliant with EPA and/or FDA regulations for food contact applications and are RoHS compliant.

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This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because mold or die design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the product described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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