

BIOMASTER 542

DATA SHEET



BIOMASTER 542 IS AN ANTIMICROBIAL MASTERBATCH SUITABLE FOR USE IN POLYETHYLENE AND OTHER POLYMERS*. THE INORGANIC NATURE, SMALL PARTICLE SIZE AND HIGH TEMPERATURE TOLERANCE OF THIS PRODUCT MAKES IT IDEAL FOR USE IN A WIDE RANGE OF POLYMER PROCESSES.

Biomaster 542 contains a sparingly soluble antimicrobial additive which provides a slow release of silver ions, safely inhibiting bacterial growth.

The slow release of the silver active give the products maximum long term activity. Biomaster antimicrobial additives can be processed at temperatures up to 600 degrees Celsius without losing their antimicrobial properties.

PHYSICAL PROPERTIES

Appearance	White pellets
Particle size and shape	2-3 mm cylindrical
Solubility in water	Essentially insoluble

RECOMMENDED ADDITION RATES

Biomaster 542 is recommended for use at levels from 1% for antimicrobial protection.

STORAGE

Whilst Biomaster products have been formulated to have maximum stability in storage and in use it should be understood that silver-containing materials do exhibit varying degrees of light sensitivity and can cause discoloration in the finished article. It is therefore incumbent upon the user of the Biomaster products to evaluate them fully under their normal conditions of use.

The information given is presented in good faith and is believed to be correct based on current state of knowledge. Addmaster (UK) Ltd makes no representation as to the accuracy and completeness of this information. This information is issued on the condition that the user will determine the safety and suitability of this product for their purposed prior to use.

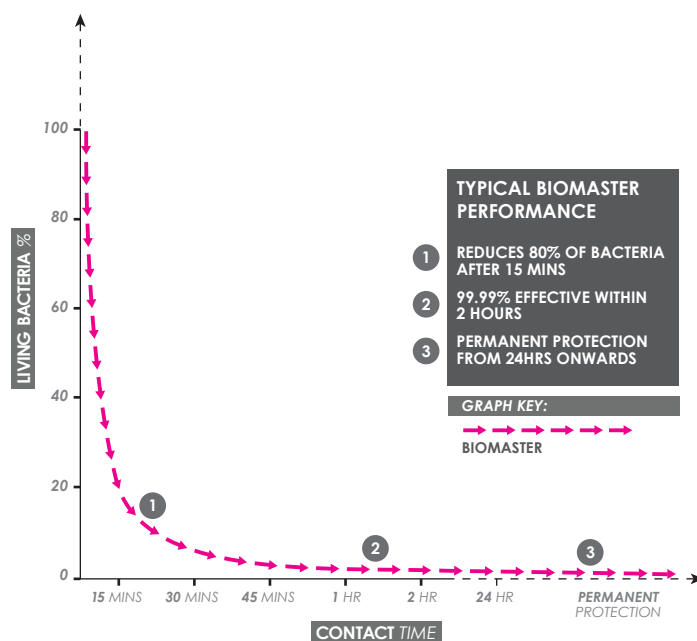
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REGISTER IN ENGLAND NO. 39479271 ADDMASTER AND BIOMASTER ARE REGISTERED TRADEMARKS®



BIOMASTER EFFICACY

The Biomaster range has been successfully tested against over 50 common organisms such as MRSA, E.coli, Salmonella, Listeria, Pseudomonas and Campylobacter.



***For further information on polymer types, specific addition rates, antimicrobial testing and branding of the Biomaster range please contact the Addmaster technical team.**