

# ALPERFORM<sup>®</sup> – HYGIENIC MATERIAL

Hygienic Protection and Antibacterial Performance



**ALPERFORM<sup>®</sup>**

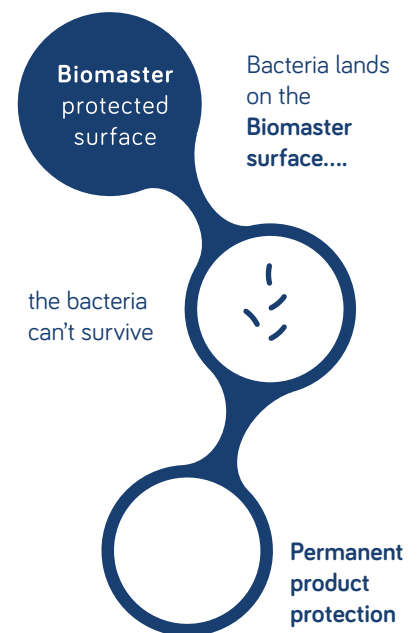
**With the product series HYGIENIC MATERIAL Biomaster Protected, ALBIS PLASTIC offers Masterbatches and Compounds based on silver ions. These products provide antibacterial protection of plastic surfaces for the entire life cycle of your product. Efficacy is especially dedicated to single-cell germs.**

Our products are based on the Biomaster additives from Addmaster, England. Biomaster has been in worldwide use for more than 10 years in numerous applications and various industries. The high efficacy after a contact time of only 15 minutes is outstanding.

Compared to organic biocides, silver ions do not migrate through plastics and due to this, leach less.

The use is therefore safe – for the processor as well as for the end user. Formulations with food contact approval are available. Additionally, the high temperature stability enables the use in engineering plastics.

According to Biocide Products Regulation EC 528/2012, silver ions can be used as biocides. The required registration is filed. Our Compounds will be declared as “Treated Articles”. For the use in the US, the active ingredients are registered with the EPA.



## HYGIENIC Material: advantages at a glance

- Antibacterial protection in steps  
Log 3 and Log 4 possible
- Effective from 1 % Masterbatch dosage
- Transparent applications possible
- Coloration practically without limitation –  
Combatches available upon request
- Test of antibacterial properties according to ISO 22196:2011, provided via a certified laboratory
- Available as Masterbatch and as Compound

The following ALPERFORM® Masterbatches – Biomaster Protected are available as standards:



Carrier	Product	Use	Bacteria Reduction * MRSA	Bacteria Reduction * E.Coli	Bacteria Reduction * Control	Comment
PE	ALPERFORM® PE HM AT 596	PE, PP, TPE	99.9%	99.9%	0.0%	Log 3 tested in PE
SAN	ALPERFORM® SAN HM AT 673	ABS, SAN, PS, PC/ABS	99.9%	99.9%	0.0%	Log 3 tested in SAN
PA	ALPERFORM® PA HM AT 774	PA6, PA6.6	99.9%	99.9%	0.0%	Log 3 tested in PA
PC	ALPERFORM® PC HM AT 1000	PC, PC/ABS	99.9%	99.9%	0.0%	Log 3 tested in PC
TPU	ALPERFORM® TPU HM AT 1119	TPU	99.9%	99.9%	0.0%	Log 3 tested in TPU

The use of further carrier polymers is possible.

\* Antibacterial activity acc. ISO 22196:2011, reduction of applied bacteria.

The following ALCOM® Compounds – Biomaster Protected are available as standards:



Polymer	Product	Color	Bacteria Reduction * MRSA	Bacteria Reduction * E.Coli	Bacteria Reduction * Control	Comment
ABS	ALCOM® HM ABS 1000 AG 14077 NC001-00	Nature	99.61	99.83	0.0%	Test Certificate available
PC	ALCOM® HM PC 1000 AG 14078 NC001-00	Nature	99.99	99.83	0.0%	Test Certificate available
PC/ABS	ALCOM® HM PC+ABS 1000 AG 14082 NC001-00	Nature	99.94	99.82	0.0%	Test Certificate available
PP	ALCOM® HM PP 1000 AG 14079 NC001-00	Nature	99.99	99.73	0.0%	Test Certificate available

Colored solutions can be developed upon request.

\* Antibacterial activity acc. ISO 22196:2011, reduction of applied bacteria.

In order to comply with the label requirements of Regulation EC 528/2012 for “Treated Articles”, we have developed together with Biomaster suggestions for respective label designs. These are available for you upon request.



### ALBIS HYGIENIC: applications at a glance

- Medical
- Health Care
- Sport and Leisure
- Food Hygiene
- Construction

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