



Masterbatches e Additivi per Materie Plastiche ed Elastomeri

FERRO-PLAST S.r.l.

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FerroSan PE 01167

Informazioni Tecniche

Bacteriostatic Masterbatch

Physical properties

Color	WHITISH
Carrier	LDPE
Physical Form	PELLET
Light Fastness	N.D.

Active Ingredient

FERROSAN PE 01167 is an inorganic product based on Silver Salts, capable of controlling the growth of bacteria in coating, plastics and fibers. It disturbs the metabolic processes of microorganisms, disrupting their ability to grow and reproduce.

This is a Silver salt, with extremely fine particle size.

The Silver Salt contained in the masterbatch can be processed up to 600 ° C, without losing the antibacterial properties.

The active substance has been approved for:

Gram-Positive Bacteria	Gram-Negative Bacteria
Staphylococcus aureus	Klebsiella pneumoniae
Streptococcus pyogenes	Pseudomonas aeruginosa
Bacillus subtilis	Escheria coli
Staphylococcus aureus (methicillin resistant)	Salmonella choleraesuis
	Salmonella enteritidis

NOTE: This list is intended as a general indication of some of the types of organisms that can be controlled. Some of the organisms on this list are associated with health issues. Ferro-Plast does not intend to imply that the use of **FERROSAN PE 01167** will confer health protection to people using treated articles.

In quantitative bacterial tests, polyethylene plaques containing 2% of **FERROSAN PE 01167** showed bacterial count reductions of greater than 99.9% against Staphylococcus aureus, Streptococcus pyogenes, Escheria coli, Klebsiella pneumoniae, Salmonella choleraesuis and Pseudomonas aeruginosa when compared to an untreated polyethylene sample.

Addition rate

2-5 % on 1st choice polymer / As per your standard

Applications

- Film
- Extrusion
- Moulding

Regular status

Food Status: YES

EU 10/2011: YES

FDA : YES (MAX 30%)

RoHS: SI / YES

Packaging & Storage

25 Kg bags on 1.250Kg pallets
Stock in a dry place

Shelf life: 12 months if kept in a dry place away from sunlight