

Overview of Masterbatches for Films application

Produced by HTMasterbatch - Provided by Marubeni Europe PLC

Antiblock

In the plastic film manufacturing industry, antiblocking masterbatches work as agents capable of conferring roughening to a surface, avoiding the problem of blocking that occurs during the winding. In order to improve the slip qualities of such films, we recommend a masterbatch containing antiblock and slip additives.

HTM	HITEMA
1440 B	60460 AB
1640 B	65060 BS
2040 BS	

Antifogging

Antifogging means the ability of a sheet to prevent water vapor condensing on the surface in small drops of water, which are redistributed in a thin layer.

HTM	HITEMA
7227 F	20460 AF
7427 F	63160 AF



Antimicrobial

Antimicrobial masterbatches act from the package itself, preventing growth of the most important microorganisms that are present in packaging. Antimicrobial masterbatches have a broad spectrum of activity, thermal stability, controlled release and a particle size that provides the greatest efficiency.

HTM	HITEMA
11340AM	60240 AM

Antioxidant

These additives help to inhibit or retard the polymer oxidation/degradation mechanisms that occur during its manufacture or processing. Antioxidants comprise natural products, organic and inorganic compounds, and their choice is a function of the final application.

HTM	HITEMA
-	60860 AX
	60960 AX

Antistatic

Antistatic masterbatches eliminate the static charge that occurs when the film comes in contact with other surfaces during production process. This masterbatch decreases surface resistivity significantly. In order to improve the slipping of such films, we recommend a combination of additives antistatic and slip in one masterbatch.

HTM	HITEMA
4220 T	60760 AT
4420 T	
5120 TS	
5320 TS	

Matte

In some industrial applications such as graphic arts lamination, a matte aspect on their surfaces is required to avoid reflections of light. Matte compounds are combinations of polyolefins that, due to their incompatibility, give the required look to the lamination.

HTM	HITEMA
6246 M	-
6946 M	

Opaque

White masterbatches are widely used in the pigmentation of films and plastic parts because, besides being white, they give the film opacity or coverage; these products are in high demand for certain applications such as labels, lamination, and protective films in agriculture, food packaging, fibers, bottles and injection articles.

HTM	HITEMA
9125 W	60160 WH
9425 PW	60760 PE
9525 P	

Process aid

Processing aid masterbatches can improve the processability of the blends of polyolefins avoiding fusion rupture during industrial processes and build-up of unmolten deposits on the lip of the head.

HTM	HITEMA
-	60460 AP

Slip

This effect is a term used to describe the slip of the surfaces of two parallel films, one on the other, being measured by the coefficient of friction (COF).

HTM	HITEMA
3320 S	60660 SL
	60690 SL