



COLLOIDS

THE MAKERS OF MASTERBATCH

**ADDITIVE
MASTERBATCH**



ADDITIVE MASTERBATCH

Colloids supply a comprehensive range of Additive Masterbatch products that are used extensively throughout the thermoplastics industry. We have a selection of standard additive masterbatches available from stock.

The standard range includes but is not limited to:

ANTIBLOCK prevents films sticking together during and after processing

ANTIFOG maintains clarity of food packaging and agricultural films

ANTIMICROBIAL suppresses microbial growth on polymer surfaces

ANTIOXIDANTS inhibits polymer oxidation (colour/polymer degradation, gels and black specks)

ANTISLIP increases coefficient of friction to prevent slip of stacked PE bags

ANTISTATIC prevents dust pick-up and build up of static charge

BLOWING AGENTS lowers density reducing part weight leading to lower costs

DEGRADABLE causes standard polyolefins to degrade

DE-LUSTRE gloss reduction and value adding polymer extender

DENESTING prevents stacked mouldings sticking together during storage

FLAME RETARDANTS offers varying degrees of fire resistance

MOULD RELEASE prevents parts sticking in the mould

NUCLEATING AGENT improves cycle time and polymer crystallinity, foam nucleator

PAPER LIKE creates paper feel polymer film

PROCESS AIDS improves processing by reducing melt fracture leading to increased output

SLIP AGENTS reduces coefficient of friction – often used in conjunction with antiblocks

UV STABILISER/ABSORBERS prolongs life of part exposed to UV/packaging contents

We also provide additive masterbatches based on other polymer systems such as ABS, ASA, EVA, PA (Nylon), PBT, PET, PE, PP, PS, SAN and universal carriers.

For bespoke applications where specific functionality is required we can work with customers to develop appropriate solutions.



Contents

As part of the Tosaf group, Colloids sources the majority of additive masterbatches from the Tosaf range of products.

This document contains information about a selection of products which are regarded as the most popular Additive Masterbatch types. Simply click on the title of the Masterbatch you would like more information on.

For more information please contact the Colloids Sales Team on +44 (0) 151 546 9222.

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PLEASE NOTE: The product information contained within this pdf is based on our general experience and does not constitute a specification. Since many factors affect the use of our products, no warranty is given or implied with respect to this information or patent infringement. We do not accept liability for any loss or damage arising from the use of this information.

All sales are subject to our standard terms and conditions of sale.

Additive products

Symbol Reference Guide

✓ = Suitable, * = Partial suitability, ✗ = Not suitable

GRADE	POLYMER BASE	DESCRIPTION	POLYMER COMPATIBILITY For other polymers please contact Colloids sales office						RECOMMENDED USE					COMMENTS
			PE	PP	PS	ABS	PA	PET	EXTRUSION FILM	EXTRUSION – PROFILE / SHEET	INJECTION MOULDING	BLOW MOULDING	COMPOUNDING	
AB 2097 PE	PE	ANTIBLOCK	✓	✓	*	✗	*	*	✓	✓	✓	✓	✓	High clarity silica based antiblock and IR filter
AB 4139 PE	PE	ANTIBLOCK	✓	✓	*	✗	*	*	✓	✓	✓	✓	✓	Standard silica based antiblock
AF 2332 PE	PE	ANTIFOG	✓	*	✗	✗	✗	✗	✓	✓	✓	✗	✗	Slow migrating antifog
AP 0170 LD	PE	PROCESS AID	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Prevents die build up and melt fracture
AS 0104 PE	PE	ANTISPLIT / EXTENDER	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Highly loaded calcium carbonate masterbatch
CL 4175 PE	PE	PURGING AGENT	NA	NA	NA	NA	NA	NA	✓	✓	✓	✓	✓	Efficient purging agent
FA 0701 PE	PE	BLOWING AGENT	✓	✓	✓	✗	✗	✗	✗	✓	✓	✗	✗	Highly loaded endothermic masterbatch
FA 0979 PP	PP	BLOWING AGENT	✗	✓	✗	✗	✗	✓	✓	✓	✓	✗	✗	For use in film, raffia and pipe coating
FA 5467 EVA	EVA	BLOWING AGENT	✓	✓	✓	✓	✓	✗	✗	✓	✓	✗	✗	High temperature neutral non-plating universal blowing agent
FR 0667 LL	PE	FLAME RETARDANT	✓	✓	✗	✗	✗	✗	*	✓	✓	✓	✓	Allows compliance with UL 94 V2 (1.6mm) in CoPP. PBDDPO free
FR 1453 PE	PE	FLAME RETARDANT	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Allows compliance with DIN 4102 B1 when used in XLPE foam and French M1. PBDDPO free
SB 1423 PE	PE	SLIP/ANTIBLOCK	✓	✓	✗	✗	*	*	✓	✓	✓	✓	✓	Slow acting slip/antiblock properties
SB 6616 PE	PE	SLIP/ANTIBLOCK	✓	✓	✗	✗	*	*	✓	✓	✓	✓	✓	Slow acting slip/antiblock properties (higher loading)
SL 6948 PE	PE	SLIP	✓	✓	✗	✗	*	*	✓	✓	✓	✓	✓	Fast acting slip agent
ST 0860 PE	PE	ANTISTATIC	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Amine free antistatic agent
ST 1028 PS	PS	ANTISTATIC	✗	✗	✓	✓	✗	✗	✓	✓	✓	✓	✓	Highly concentrated for styrenic polymers
ST 1661 PE	PE	ANTISTATIC	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Amine based antistatic agent
UV 2375 PE	PE	UV STABILISER	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Contains polymeric HALS and antioxidant. For long term outdoor use
UV 3598 PE	PE	UV STABILISER	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Higher strength polymeric HALS . For long term outdoor use
UV 4284 PE	PE	UV STABILISER	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Mixture of HALS and UV absorber – broad spectrum stabiliser
UV 8534 HP	PP	UV STABILISER	✗	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	High performance HALS for long term outdoor stability including textile applications
PE 48/10/96	PE	DESICCANT	✓	✓	✗	✗	✗	✓	✓	✓	✓	✓	✓	Highly loaded for moisture control
M PE ADDITIVE 13533	PE	EXTENDER	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓	Highly loaded small particle size calcium carbonate – for use at high addition levels

For further technical information or samples of any of our products please contact the Colloids sales office.