

Additives for Masterbatchers, Compounders and Converters



Additives for masterbatchers, liquid colorant manufacturers and pigment, filler and flame retardant manufacturers

Product	Pigments and fillers				Masterbatches and compounds				Applications			Liquid pastes				Polymer types										
	Inorganic pigments	Organic pigments	Carbon black	Fillers	Monomasterbatches ¹	Multiple pigment masterbatches ²	Colored compounds ³	Filler compounds ⁴	Moulding	Film application	Fibre/ Filament production	Phthalate / Adipate pastes	Polyol pastes	Vegetable oil pastes	Mineral oil pastes	PE / EVA	PP	POM	PA	PET/ PBT	ABS/ PS	PVC	PU / TPU	Silicones	Unsaturated PES / Vinylester	
MASTERBATCHES																										
TEGOMER® E 525	●	●	●	●	●	●	○	●	●	●						●	○	●				●				
TEGOMER® P 121	●	●	●	●	●	●	●	○	●	●	●					●	●	○	●	●	●	●				
TEGOMER® P 122	●	●	●	○	●	●	○	●	●	●	○					●	●	○	●	●	●	●				
COLORANTS																										
TEGOMER® DA 626	○	●	●	○								●	●									●	●		●	
TEGOMER® DA 646	●	●	●	○								○	●									○	●			
TEGO® STO V	○	●	●											●	●	●	●			●	●					
TEGO® STO 85 V	●	●	●											●	●	●	●			○	●					
SURFACE TREATMENTS																										
TEGOPREN® 6875	●	●	○	●	●	●		●	●	●	○					●	●		●	●	○			●	●	
TEGOPREN® 6875-45	●	●	○	●					●							●	●		●	●	○					
TEGOPREN® 6879	●	○	○	●	●	●	○	●	●	●	○					●	●		●	●	○	○	○	●	○	
TEGOPREN® 5885	●			●				●	●							●	●							○		

● = highly recommended ○ = suitable n.a. = not applicable
¹ Single pigment masterbatches, high pigment loading. For fibre, film and automotive.
² Different pigments used for customized colors, combination with fillers. For moulding and general purpose applications.
³ Low concentration of pigment directly dispersed during compounding.
⁴ Inorganic materials, e.g. chalk, talc, antimony trioxide with high to very high loading (40-85%).



Additives for compounders

Product	Application			Polymer types										Melting point [°C]	Type of Siloxane	Physical form	Use, Effects & Typical Applications
	Processing aid	Surface Modification	Bulk properties	PE/ EVA	PP	PA or PA/GF	PET/ PBT	TPE/ TPU	ABS/PS/SAN	PMMA	PC	PVC	Hotmelt				
PROPERTY ENHANCEMENT																	
TEGOMER® AntiScratch 100	○	●	●		●			●						> 70	Polyolefin compound	Granule	Scratch resistance for PP/TPO compounds, e.g. dash-boards, door panels, airbag covers
TEGOMER® AntiScratch L		●	●		●			●	○		○			n.a.	Alkyl	Liquid	Demoulding + scratch resistance in PP, TPEV and SEBS, for proper processing, advanced dosing & mixing system required
TEGOMER® FR 100	●	●	●	●	●			●	●					> 70	Polyolefin compound	Granule	Smooth surfaces & printabilty of highly filled EVA & x-PE cable compounds (ATH & MDH)
TEGOMER® H-Si 6441 P	●	●	●	○	●	●	●	●	○	●	●	●	●	54	Copolyester	Pellet	AntiScratch for technical polymers, e.g. PMMA TV frames, PC/ABS pillars, COF reduction & better demoulding of PEs, e.g. SEBS based air bag covers
TEGOMER® M-Si 2650	○	●	○			●	○	●	○	○	●			n.a.	Aryl	Liquid	COF reduction of TPEs, e.g. automotive sealants, scratch resistance of PC/ABS, PET, e.g. car interiors, electronics, furniture surfaces
TEGOMER® V-Si 4042	●	●	●	●	●			●	○			○		n.a.	Vinyl	Liquid	LOI and flame retardance enhancing for ATH & MDH filled compounds, improved mar/abrasion resistance, e.g. highly filled HFFR cables, processing aid for rubber
TEGOPREN® 6846	●	○	●	●	●			○	○	●	○	○	○	64	Alkyl	Pellet	COF reduction of polyolefin films

● = highly recommended ○ = suitable n.a. = not applicable

High filled additive masterbatches – ACCUREL® grades

Effects	Polymer types									Typical Applications
	HDPE	LLDPE	LDPE	EVA	PP	PA6	PC	PS/ABS/ ASA/SAN	PET	
Slip Agent/ COF reduction	ACCUREL® Si803		ACCUREL® SF640	ACCUREL® SF660	ACCUREL® Si707 ACCUREL® SF610			ACCUREL® SF1710		HDPE pipes and HDPE moulded parts; LDPE film, BOPP film, PS film/sheets.
Antifog Agent	ACCUREL® AF401							ACCUREL® AF450		Agricultural PE films with cold fog performance, PS films with cold and hot fog characteristics.
Antistatic Agent	ACCUREL® SF179	ACCUREL® SF261 ACCUREL® GA372	ACCUREL® GA301 ACCUREL® SF112		ACCUREL® GA300 ACCUREL® SF266 ACCUREL® SF268 ACCUREL® SF271			ACCUREL® GA302 ACCUREL® GA381		Short and long term antistatic effects can be provided; PE film and bubble film; electronic packaging and moulded parts. BOPP standard packaging film, PP cast film, PP print lamination film and moulded PP parts, PS films, foams and moulded parts even for electronic application.
Antiblock Agent	ACCUREL® SF1760				ACCUREL® AB103		ACCUREL® SL810		ACCUREL® SL811	PE and EVA film and sheet application, PP films, e.g. metallizable film, cigarette film, transparent PC sheets, transparent PET sheets or parts.
Mold Release Agent	ACCUREL® Si754		ACCUREL® Si703		ACCUREL® Si796	ACCUREL® Si755	ACCUREL® Si792	ACCUREL® Si753	ACCUREL® Si790	Injection molding application for various polymers.
Foam Cell Stabilizer/ Foaming Agent			ACCUREL® GA301 ACCUREL® GA354	ACCUREL® GA303	ACCUREL® WF100					PE and EVA foams with homogeneous cell structure; TPE-V sealants with reduced density due to foaming.
Flame Retardants							ACCUREL® FR519 ACCUREL® FR512	ACCUREL® FR504		PC sheets with transparency, moulded PC parts with antidripping, e.g. seats or lamps, PS, and PC/ABS fire resistant application.
Haptic Enhancers					ACCUREL® GA300					PP fibres and nonwovens with soft grip performance.



Specialty Additives for masterbatches in films

	Function	Chemical Character	Physical Form	Melting Point [°C]
TEGIN® 90	Antistatic	Glycerol fatty acid ester	Pellets	64-69
TEGO® Sorb PY 88 TQ	Odor Absorbtion	Zincricinoleate	Pellets	> 71
TEGO® STS	Antifogging	Sorbitan tristearate	Powder	> 53

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