



PRODUCT RANGE

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1.1) PRODUCT MATRIX – Colour Masterbatches

Products / Polymers	PE	PP	PET	Other polymers
Customer specific masterbatches				
MAXITHEN® HP range	x	x		
MAXITHEN® PP range		x		
MAXITHEN® PS/SB range				GPPS, HIPS, MIPS
MAXITHEN® ABS range				ABS
MAXITHEN® SAN range				SAN
MAXITHEN® PA range				PA, PA6, PA6.6
MAXITHEN® PC range				PC
MAXITHEN® PET range			x	(PBT*)
MAXITHEN® PETG range				PETG
MAXITHEN® PMMA range				PMMA
MAXITHEN® EVA range	x	x		EVA
MAXITHEN® SMMA range				SMMA
MAXITHEN® COC range				COC
MAXITHEN® TPU range				TPU
UNIMAX® UN/UNS range				universal
MAXITHEN® basic / single pigment preparations	x	x		on request
MAXITHEN® effect masterbatches	x	x	x	polymer specific solutions
Standard colour ranges				
MAXITHEN® HP range for thin walled articles	x	x		
MAXITHEN® HP range for thick walled articles	x	x		
MAXITHEN® HP range for thick walled, high precision articles	x	x		
MAXITHEN® HP-F range for tapes and coloured spun fibres	x	(x)		For PE and PP tapes and PP fibres > 10dtex
MAXITHEN® PP-F range for tapes and coloured spun fibres		x		For PP tapes and PP fibres < 10dtex
MAXITHEN® PP range for medicinal articles made of PP		x		
MAXITHEN® PP range for the transparent colouring of PP		x		
MAXITHEN® SB/PS range				GPPS, HIPS, MIPS
MAXITHEN® PA range for thick walled articles				PA, PA6, PA6.6
MAXITHEN® POM range				POM
MAXITHEN® BIOL range				PLA, Biopolymere
MAXITHEN® PET range			x	
UNIMAX® UNC range for cable insulation	x	x		universal
MAXITHEN® HPC range for cable insulation	x	x		Polyolefins
MAXITHEN® HPC 'High Temperature' range for cable insulation	x	x		Polyolefins, cross linked PE
Other product ranges				
Effect masterbatch ranges (COLOUR VISION®)	(x)	x	x	on request
Basic preparations / single pigment preparations for the production of masterbatches	x	x		Polyolefins

*please contact our Sales team to obtain support from our Technical Service department

(x) limited application, please contact our Sales team to obtain support from our Technical Service department

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1.1) PRODUCT MATRIX – sorted by application

Products / Applications	Films			Hollow articles	Boards, profiles & pipes	Polymer foam	Cable extrusion	Injection moulding	Recycling
	Industry	Agriculture	Building						
Light stabiliser masterbatches									
HP 72630 UVAO		X							
HP 72910 UVAO		X							
HP 79141/168 UVAO		X							
HP 792850 UVAO	X	X	X	X	X			X	
HP 79470 UVAO	X								
HP 794880 UV	X		X	X	X			X	
HP 79710 UV and HP 79710/20 UV	X		X	X	X			X	
HP 79860 UV	X		X	X	X			X	
HP 7AA122 UV		X							
HP 7AA2600 UV		X							
PA 76700 UVAO					X			X	
PET794140C115 UVCR	X			X	X				
PP 73450 UVAO				X	X				
PP 79021/20 UV				X	X				
PP 79870/20 UV	X		X	X	X			X	
PPSEAT ... UVFR				X	X			X	
PS 74500 UVAO								X	
SAN 74830 UVAO					X			X	
SB 79930 UVAO					X			X	
Light stabiliser masterbatches for packaging contents									
HP 793700C12 UV	X			X	X			X	
PET794140C115 UVCR	X			X	X			X	
PP 790280/10 UV	X			X	X			X	
PS 794650 UV					X			X	
Antioxidant masterbatches									
HP 79720 AO				X				X	X
PP 71530 AO	X			X			X	X	
PP 792210 AO				X	X			X	

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1.1) PRODUCT MATRIX – sorted by application (continued)

Products / Applications	Films			Tapes & fibres	Hollow articles	Boards, profiles & pipes	Polymer foam	Cable extrusion	Injection moulding	Recycling
	Industry	Agriculture	Building							
Flame retardant masterbatches										
HP 72521 FR				X		X	X	X	X	
HP 73940 FR	X		X			X	X		X	
HP 78900 FR	X		X	X		X				
PP 7A4070 FR					X	X		X	X	
PPSEAT ... UVFR					X				X	
SB 795470 FR						X			X	
UNS 76200 FR						X			X	
Antistatic masterbatches										
HP 7041/05 AS	X				X	X				
HP 75590 AS	X								X	
HP 77571 AS	X				X	X			X	
PP 78680 AS20					X	X			X	
PP 791310 AS				X	X	X			X	
SB 78700 AS					X	X			X	
UNS 7A4420 AS	X		X		X	X			X	
Lubricant masterbatches										
HP 7051/05 E	X		X		X	X		X	X	
HP 7051/05 O	X		X							
HP 72670 GL	X		X						X	
HP 790830 GL	X		X		X	X			X	
HP 791150 GL							X			
HP 794950 GL	X		X		X	X			X	
PET794980GL	X				X	X			X	
PP 790660 GL									X	
Polymer processin aids (PPA)										
HP 7A8770 PPA	X		X	X	X	X		X		
PP 7A9140 PPA	X		X	X	X	X		X		
PS 78330 MO						X	X			

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1.1) PRODUCT MATRIX – sorted by application (continued)

Products / Applications	Films		Tapes & fibres	Hollow articles	Boards, profiles & pipes	Polymer foam	Cable extrusion	Injection moulding	Recycling
	Industry	Agriculture Building							
Antiblock masterbatches									
HP7011AB	X	X			X				
HP7081ABGLE	X	X			X				
HP75390ABGLE	X	X			X				
HP79530AB	X				X				
HP7A8080AB	X	X			X			X	
PET794490ABCR	X			X	X			X	
PEI7A2220ABGL	X			X	X			X	
PP7A4820ABGL	X	X			X				
Nucleating masterbatches									
HP78690/40NU					X	X			
HP793690NU					X	X			
PET793780NUCR				X	X			X	
PP790017NU				X	X			X	
PP7A4060NU	X			X	X			X	
PS790980NU					X	X			
SB78690NU					X	X			
Blowing agent masterbatches									
HP781700TR				X	X	X		X	
HP78810/40TR-D				X	X	X		X	
HP78810/20TR-D				X	X	X	X	X	
HP789450TR-D				X	X	X		X	
Laser marking additives									
Laser marking additives	X	X		X	X		X	X	
Antifog masterbatches									
HP790470AF	X								
HP792470AF	X								
PP75770AFAB	X								
Cleaning Compounds									
HP7100CC	X	X	X	X	X	X	X	X	
HP71840AOSF	X	X	X	X	X	X	X	X	
SB71820SF					X	X	X	X	
UNS76380CC				X	X	X	X	X	
Other additive masterbatches									
HP77800ASL	X		X						
HP7AA0410IR	X								
HP790101ASP	X	X	X	X	X		X	X	
HP7A7130ASP	X	X	X	X	X		X	X	
PP7A7120ASP	X	X	X	X	X		X	X	
HP790230ZR						X			
HP790240Tack	X								
HP7M0060AM	X	X		X	X			X	
PET795000EXT	X		X		X	X		X	X
HPRG7A7920DRY					X				X

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1.2) PRODUCT MATRIX – sorted by polymer

Products / Polymers	PE	PP	PET	Styrene polymers	Other polymers
Light stabiliser masterbatches					
HP72630UVAO	x				
HP72910UVAO	x				
HP79141/168UVAO	x				
HP792850UVAO	x	x			
HP79470UVAO	x				
HP794880UV	x	x			
HP79710UV and HP79710/20UV	x				
HP79860UV	x	x			
HP7AA1220UV	x	x			
HP7AA2600UV	x	x			
PA76700UVAO					x
PET794140C115UVCR			x		
PP73450UVAO		x			
PP79021/20UV		x			
PP79870/20UV		x			
PPSEAT ... UVFR		x			
PS74500UVAO				x	
SAN74830UVAO				x	
SB79930UVAO				x	
Light stabiliser masterbatches for packaging contents					
HP793700C12UV	x	x			
PP790280/10UV		x			
PET794140C115UVCR			x		
PS794650UV				x	
Antioxidant masterbatches					
HP79720AO	x	x			
PP71530AO		x			
PP792210AO		x			

x ... main application

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1.2) PRODUCT MATRIX – sorted by polymer (continued)

Products / Polymers	PE	PP	PET	Styrene polymers	Other polymers
Flame retardant masterbatches					
HP72521FR	x	x			
HP73940FR	x				
HP78900FR	x	x			
PP7A4070FR		x			
PPSEAT ... UVFR		x			
SB795470FR				x	
UNS76200FR	x	x	x (PBT)	x	x
Antistatic masterbatches					
HP7041/05AS	x				
HP75590AS	x	x			
HP77571AS	x	x			
PP78680AS20		x			
PP791310AS		x			
SB78700AS				x	
UNS7A4420AS	x	x			
Lubricant masterbatches					
HP7051/05E	x	x			
HP7051/05O	x	x			
HP72670GL	x				
HP790830GL	x	x			
HP791150GL	x	x			
HP794950GL	x	x			
PET794980GL			x		
PP790660GL		x			
Polymer processing aids (PPA)					
HP7A8770PPA	x	x			
PP7A9140PPA		x			
PS78330MO				x	
Antiblock masterbatches					
HP7011AB	x				
HP7081ABGLE	x				
HP75390ABGLE	x	x			
HP79530AB	x	x			
HP7A8080AB	x	x			
PET794490ABCR			x		
PET7A2220ABGL			x		
PP7A4820ABGL		x			

x ... main application

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1.2) PRODUCT MATRIX – sorted by polymer (continued)

Products / Polymers	PE	PP	PET	Styrenic polymers	Other polymers
Nucleating masterbatches					
HP78690/40NU	x	x			
HP793690NU	x	x			
PET793780NUCR			x		
PP790017NU		x			
PP7A4060NU		x			
PS790980NU				x	
SB78690NU				x	
Blowing agent masterbatches					
HP71700TR	x			x	
HP78810/40TR-D	x	x		x	
HP78810/20TR-D	x	x		x	
HP789450TR-D	x			x	
Laser marking additives					
Laser marking additives	x	x	x	x	x
Antifog masterbatches					
HP790470AF	x				
HP792470AF	x				
PP75770AFAB		x			
Cleaning Compounds					
HP7100CC	x	x			
HP71840AOSF	x	x			
SB71820SF				x	
UNS76380CC	x	x	x	x	x
Other additive masterbatches					
HP77800ASL	x				
HP7AA0410IR	x				
HP790101ASP	x	x			
HP7A7130ASP	x	x			
PP7A7120ASP		x			
HP790230ZR	x				
HP790240Tack	x				
HP7M0060AM	x	x			
PET795000EXT			x		
HPRG7A7920DRY	x	x			
Customer specific additive masterbatches for other areas and applications available on request.	x	x	x	ABS, SAN, etc.	PC, POM, PLA, etc.


x ... main application

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2) COLOUR CONCENTRATES (COLOUR MASTERBATCHES)

 GABRIEL-CHEMIE <small>GROUP</small>	2.1) CUSTOMISED MASTERBATCHES
MAXITHEN® HP PRODUCTS	Pigment preparations in pellet form for colouring polyolefins (HDPE, LDPE, PP etc.). carrier material: polyethylene main applications: injection moulding, film, blow moulding, extrusion of thick-walled articles, fibres, tapes
MAXITHEN® PP PRODUCTS	Pigment preparations in pellet form for colouring polypropylene. carrier material: polypropylene main applications: injection moulding, films, blow moulding, extrusion of thick walled articles, fibres, tapes
MAXITHEN® PS/SB PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring polystyrene (GPPS, HIPS). carrier material: SB-, SBD-: high impact polystyrene (HIPS) PS-, PSD-: general purpose polystyrene (GPPS)
MAXITHEN® ABS PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring ABS. carrier material: acrylonitrile-butadiene-styrene
MAXITHEN® SAN PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring SAN and ABS. carrier material: styrene-acrylonitrile
MAXITHEN® PA PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring polyamide (PA6, PA6.6). carrier material: polyamide 6 main applications: injection moulding, films
MAXITHEN® PC PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring polycarbonate. carrier material: polycarbonate injection moulding, sheet extrusion


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 GABRIEL-CHEMIE <small>GROUP</small>	2.1) CUSTOMISED MASTERBATCHES (continued)
MAXITHEN® PET PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring polyethylene terephthalate. carrier material: polyethylene terephthalate (PET) main applications: preforms, blow moulding, sheets
MAXITHEN® PETG PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring glycol modified polyethylene terephthalate. carrier material: glycol modified polyethylene terephthalate (PETG) main applications: blow moulded articles, boards, injection moulding
MAXITHEN® PMMA PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring polymethyl methacrylate. carrier material: polymethyl methacrylate (PMMA) main applications: injection moulding, sheet extrusion
MAXITHEN® EVA PRODUCTS	Preparations in pellet form based on pigments for colouring thermoplastic elastomeres (TPE) and polymers such as VLDPE, SEBS, TPU, CPE, PVC... carrier material: EVA main applications: injection moulding, extrusion
MAXITHEN® SMMA PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring SMMA. carrier material: SMMA main applications: injection moulding
MAXITHEN® COC PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring COC. carrier material: COC main applications: injection moulding
MAXITHEN® TPU PRODUCTS	Preparations in pellet form, based on pigments and dyestuffs, for colouring thermoplastic polyurethane (TPU). carrier material: TPU main applications: injection moulding


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 GABRIEL-CHEMIE <small>GROUP</small>	2.1) CUSTOMISED MASTERBATCHES (continued)
UNIMAX® UN/UNS PRODUCTS	<p>Universally applicable pigment preparations in pellet form for colouring most thermoplastics.</p> <p>carrier material: universal carrier system main application: injection moulding</p>
MAXITHEN® BASIC / SINGLE PIGMENT PREPARATIONS	<p>Highly concentrated pigment preparations for the production of masterbatch for colouring polyolefins.</p> <p>carrier material: various systems available</p>
MAXITHEN® SPECIAL EFFECT MASTERBATCHES	<p>Preparations in pellet form, based on pigments and dyestuffs, for colouring thermoplastics with effect colours.</p> <p>carrier material: various systems available depending on customer requirements main applications: injection moulding, blow moulding, films effects: multicolour, bicolour, metallic, pearlescent effect, flitter, fleck, marble, fluorescence,...</p>
 GABRIEL-CHEMIE <small>GROUP</small>	2.2) STANDARD COLOUR RANGES
MAXITHEN® HP – RANGE for thin walled articles	<p>Pigment preparations in pellet form for colouring polyolefins (HDPE, LDPE, PP etc.).</p> <p>carrier material: polyethylene main application: film</p>
MAXITHEN® HP – RANGE for thick walled articles	<p>Pigment preparations in pellet form for colouring polyolefins (HDPE, LDPE, PP etc.).</p> <p>carrier material: polyethylene main applications: injection moulding, blow moulding, extrusion of thick-walled articles</p>


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 GABRIEL-CHEMIE <small>GROUP</small>	2.2) STANDARD COLOUR RANGES (continued)
MAXITHEN® HP RANGE for thick walled, high precision articles	Pigment preparations in pellet form based on selected pigments which have very little or no influence on the shrinkage of partially crystalline polyolefins. For colouring polyolefins (HDPE, LDPE, PP etc.). carrier material: polyethylene main applications: bottle crates and other articles where high precision is required
MAXITHEN® HP-F RANGE for tapes and coloured spun fibres	Pigment preparations in pellet form based on selected pigments which have optimal dispersion properties. For colouring polyolefins (HDPE, PP). carrier material: polyethylene main application: thin films, monoaxially stretched tapes and fibres > 10dtex
MAXITHEN® PP-F RANGE for spun fibres and tapes	Pigment preparations in pellet form for the bulk colouring of polypropylene fibres, in particular for fine polypropylene fibres below 5 dtex. carrier material: polypropylene main application: fibres
MAXITHEN® PP RANGE for medical articles made of polypropylene	Pigment preparations in pellet form for the transparent colouring of medical articles made of polypropylene. carrier material: polypropylene main application: injection moulding of medical articles
MAXITHEN® PP RANGE for the transparent colouring of polypropylene	Pigment preparations in pellet form for the transparent colouring of polypropylene. carrier material: polypropylene main application: injection moulding, extrusion

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 GABRIEL-CHEMIE <small>GROUP</small>	2.2) STANDARD COLOUR RANGES (continued)
MAXITHEN® SB/PS RANGE for injection moulding and films	Preparations in pellet form, based on pigments and dyestuffs, for colouring polystyrene (GPPS, HIPS). carrier material: SB-, SBD-: high impact polystyrene (HIPS) PS-, PSD-: general purpose polystyrene (GPPS)
MAXITHEN® PA RANGE for thick walled articles	Preparations in pellet form, based on pigments and dyestuffs, for colouring polyamide (PA6, PA6.6). carrier material: polyamide 6 main application: injection moulding
MAXITHEN® POM RANGE for thick-walled articles made of polyacetal (POM)	Pigment preparation in granulated form for the colouring of products made of polyacetal (POM - polyoxymethylene). carrier material: polyoxymethylene main application: injection moulding, hollow body, extrusion of thick-walled articles
MAXITHEN® BIOL SERIES For universal use in biopolymer-based products	Pigment preparation in granulated form for the colouring of biopolymer-based products (PLA, starch blends and other biologically degradable plastics), dispersed in a compostable PLA matrix. carrier material: Polylactide (PLA) main application: injection moulding, hollow body, extrusion of thick-walled articles
MAXITHEN® PET RANGE	Preparations in pellet form, based on pigments and dyestuffs, for colouring polyethylene terephthalate. carrier material: polyethylene terephthalate (PET) main applications: preforms, blow moulding, sheets
UNIMAX® UNC Range for cable insulation	Universally applicable pigment preparations in pellet form for colouring PE, PP, PVC and TPU cable sheathings. carrier material: universal carrier system colour according to: RAL – DIN 47002, BS – BS 6746:1969, Munsell, IEC 304:1982

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 GABRIEL-CHEMIE <small>GROUP</small>	2.3) OTHER MASTERBATCH RANGES
MAXITHEN® HPC Range for cable insulation	<p>Pigment preparations in pellet form for colouring cable polymers; standard series for polyolefins – LDPE, LLDPE, HDPE, LDPE-EVA and PP. The pigments used are not based on heavy metals.</p> <p>carrier material: LLDPE applications: RAL, DIN IEC 60304, BS and Munsell</p>
MAXITHEN® HPC Range "High Temperature" for cable insulation	<p>Pigment preparations in pellet form for colouring cross linked polyethylene cable insulations with a high thermal stability and long service life. Also suitable for flame retardant polyolefins. The pigments used are not based on heavy metals.</p> <p>carrier material: LLDPE applications: RAL, DIN IEC 60304, BS and Munsell</p>
SPECIAL EFFECT MASTERBATCH RANGES (COLOUR VISION®)	<p>COLOUR VISION® is a trend setting colour concept for consumer products. Through innovative colours, effects and surfaces in selected polymers it reveals the visions of tomorrow.</p> <p>carrier material: various polymers systems available applications: consumer products, e.g. for cosmetics, sport, household, electronics...</p>
MAXITHEN® BASIC / SINGLE PIGMENT PREPARATIONS for producing masterbatches	<p>Single pigment preparations in pellet form for the production of masterbatches.</p> <p>carrier material: various polymer systems available application: extrusion</p>


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3) COLOUR/ADDITIVE CONCENTRATES (COMBINATION MASTERBATCHES)


 <p>GABRIEL-CHEMIE GROUP</p>	<h3>3.1) COLOUR / ADDITIVE CONCENTRATES</h3>
<p>MAXITHEN® COLOUR/ADDITIVE CONCENTRATES</p>	<p>Special, tailor-made colour/additive combination masterbatches made to customer specifications, applicable in almost all thermoplastic materials.</p> <p>examples:</p> <ul style="list-style-type: none"> Colour/UV/FR – combination for stadium seats Colour/UV – combination for bottle crates Colour/UV – combination for garden furniture Colour/UV – combination for tapes Colour/AS – combination for films, blow moulding Colour/GL – combination for bottle closures Colour/FR – combination for electric parts, construction Colour/LS – combination for laser marking etc.

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4) ADDITIVE CONCENTRATES (ADDITIVE MASTERBATCHES)

 GABRIEL-CHEMIE <small>GROUP</small>	4.1) LIGHT (UV) STABILISER MASTERBATCHES
HP72630UVAO	Combined light / antioxidant stabiliser masterbatch for use in agricultural films. 2 nd generation.
HP72910UVAO	Combined light / antioxidant stabiliser masterbatch with increased chemical resistance for use in agricultural films with an extended service life. 3 rd generation.
HP79141/168UVAO	Combined light / antioxidant stabiliser masterbatch for use in polyethylene agricultural films (based on Ni-Quencher). 1 st generation.
HP792850UVAO	Highly effective light stabiliser / antioxidant masterbatch for the stabilisation of agricultural films and particularly mulch films.
HP79470UVAO	Combined light / antioxidant stabiliser masterbatch for use in LDPE/LLDPE packaging film and shrink hoods.
HP794880UV	Light stabiliser masterbatch for the stabilisation of thin walled articles (e.g. films or tapes) as well as for thick walled extruded and injection moulded articles.
HP79710UV HP79710/20UV	Light stabiliser masterbatch for packaging film and shrink hoods (wall thickness below 120 µm).


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 GABRIEL-CHEMIE <small>GROUP</small>	4.1) LIGHT (UV) STABILISER MASTERBATCHES (continued)
HP79860UV	Light stabiliser masterbatch for universal use in polyolefins.
HP7AA1220UV	NOR-HALS light-protection masterbatch with very high chemical resistance in combination with a UV absorber for the stabilisation of agricultural films – 4 th generation, specially developed for applications where there is excessive use of pesticides and chemicals (pest control).
HP7AA2600UV	Light-protection masterbatch (combination of NOR-HALS with high-molecular HALS) with high chemical resistance in combination with a UV absorber for the stabilisation of agricultural films - 4 th generation, specially developed for applications where there is severe use of pesticides and chemicals (pest control).
PA76700UVAO	Light stabiliser / antioxidant masterbatch for PA fibres and injection moulded articles.
PET794140C115UVCR	UV absorber masterbatch for PET packaging, used to protect the contents from damaging UV influences.
PP73450UVAO	Light stabiliser / antioxidant masterbatch for polypropylene tapes and thick walled articles.
PP79021/20UV	Light stabiliser masterbatch for polypropylene tapes.
PP79870/20UV	Light-protection masterbatch for universal applications in polypropylene.
PPSEAT ... UVFR	Optimised light-protection/flame-retardant masterbatch system for thick-walled products made of polypropylene. Combination of colour, light protection and flame protection in a single product. Main application: outdoor seating systems.
PS74500UVAO	Light stabiliser / antioxidant masterbatch for polystyrene.
SAN74830UVAO	Light stabiliser / antioxidant masterbatch for ABS.
SB79930UVAO	Combined light/antioxidant stabiliser masterbatch for HIPS.


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 GABRIEL-CHEMIE <small>GROUP</small>	4.2) LIGHT STABILISER MASTERBATCHES FOR PACKAGING CONTENTS
HP793700C12UV	UV absorber masterbatch for polyolefins, to protect packaging contents from UV exposure.
PET794140C115UVCR	UV absorber masterbatch for PET, to protect packaging contents from UV exposure.
PP790280/10UV	UV absorber masterbatch for polypropylene, to protect packaging contents from UV exposure.
PS794650UV	UV absorber masterbatch for polystyrene, to protect packaging contents from UV exposure.
 GABRIEL-CHEMIE <small>GROUP</small>	4.3) ANTIOXIDANT MASTERBATCHES
HP79720AO	Antioxidant masterbatch for all polyolefins, especially for recycled polymers, high temperature processes and "freeze-mixtures".
PP71530AO	Antioxidant masterbatch with high extraction resistance, used to improve the long term stability of polypropylene.
PP792210AO	Antioxidant masterbatch used to improve the long term stability of polypropylene.


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 GABRIEL-CHEMIE <small>GROUP</small>	4.4) FLAME RETARDANT MASTERBATCHES
HP72521FR	Universally applicable flame retardant masterbatch with high thermal stability for flame retarding films and profiles.
HP73940FR	Flame retardant masterbatch for LDPE films, profiles and foams.
HP78900FR	Flame retardant masterbatch for HDPE and PP injection moulded articles and profiles, to obtain flammability classification V2 according to UL94.
PP7A4070FR	Halogen free flame retardant masterbatch based on phosphorus, combined with synergists containing halogen, to obtain flammability classification UL 94 V2 or DIN 4102 B1 and B2 in thick walled PP articles.
PPSEAT ... UVFR	Light stabiliser / flame retardant masterbatch system for thick walled articles made of polypropylene (e.g. stadium seating).
SB795470FR	Flame retardant masterbatch for higher processing temperatures (extrusion and injection moulding).
UNS76200FR	Flame retardant masterbatch for technical polymers. Due to the high thermal stability, this masterbatch can also be applied in polymers such as ABS, PA6, PA6.6 and PBT to achieve flammability classification UL94 V1, V2 and V0, depending on the polymer type and design.


PRODUCT RANGE

 GABRIEL-CHEMIE <small>GROUP</small>	4.5) ANTISTATIC MASTERBATCHES
HP7041/05AS	Antistatic masterbatch for all types of polyolefins.
HP75590AS	Antistatic masterbatch for polyolefins (quick starter).
HP77571AS	Antistatic masterbatch for polyolefins (based on an amine free antistatic).
PP78680AS20	Antistatic masterbatch for PP applications.
PP791310AS	Antistatic masterbatch for polypropylene used for sheet extrusion.
SB78700AS	Antistatic masterbatch for styrenic polymers.
UNS7A4420AS	Permanent antistatic masterbatch for thermoplastics. Main applications: electronic and industrial packaging, household goods and articles, technical polymers.


PRODUCT RANGE

 GABRIEL-CHEMIE <small>GROUP</small>	4.6) LUBRICANT MASTERBATCHES
HP7051/05E	Lubricant masterbatch for polyolefins based on erucamide, for applications where the thermal stability of oleic amide is not sufficient. On request also available based on a PP carrier.
HP7051/05O	Lubricant masterbatch for polyolefins, based on oleic amide. Particularly recommended for increasing the slip effect in films.
HP72670GL	Antilaminant masterbatch for the production of LDPE shrinking hoods, used to prevent the shrink film from sticking together with the PE packaging material of the contents underneath. Also used as a lubricant masterbatch to increase the slip effect of LLDPE / EVA stretch film.
HP790830GL	Non-migrating lubricant masterbatch for polyolefin processing on the basis of polysiloxane. Particularly recommended for increasing the slip effect in film, profile and injection moulding applications as well as permanently equipping with lubricant and for increasing shine.
HP791150GL	Lubricant masterbatch for polyolefin foam to improve the shrinkage behaviour when hydrocarbon is used as a blowing gas.
HP794950GL	Lubricant masterbatch based on behenamid, for polyolefin processing. For applications for which the thermal stability of erucamide is no longer sufficient. For organoleptically demanding applications.
PET794980GL	Lubricant masterbatch for PET processing.
PP790660GL	Lubricant masterbatch for thin walled and thick walled polypropylene applications. Suitable for use with medical applications according to EN ISO 7886-1, „hypodermic syringes for single use“.



PRODUCT RANGE

 <p>GABRIEL-CHEMIE GROUP</p>	<p>4.7) POLYMER PROCESSING AIDS</p>
<p>HP7A8770PPA</p>	<p>Polymer processing aid for improving the surface of polyolefin articles. It is used in particular for the avoidance of melt fracture during extrusion.</p>
<p>PP7A9140PPA</p>	<p>Polymer processing aid for improving the surface of polyolefin articles. It is used in particular for the avoidance of melt fracture during PP processing.</p>
<p>PS78330MOD</p>	<p>Polymer processing aid for extruded polystyrene foam (XPS) based on styrene polymers. Highly stabilised in order to reduce shear, a reduced force is required to increase output. This product ensures better melt temperature control and lower melt friction, without negatively influencing the flame retardancy.</p>




PRODUCT RANGE

 GABRIEL-CHEMIE <small>GROUP</small>	4.8) ANTIBLOCK MASTERBATCHES
HP7011AB	Antiblock masterbatch for polyolefin films based on natural silica. Not suitable for thin gauge films.
HP7081ABGLE	Combination antiblock / slip masterbatch for polyolefin films. (slip agent based on erucamide).
HP75390ABGLE	Anti-block/lubricant combination masterbatch on a polyethylene basis, consisting of super-transparent synthetic silicate and erucamide, for use in super-transparent films made of PE and PP.
HP79530AB	Antiblock masterbatch for polyolefin films based on synthetic silica. Use does not affect transparency. Suitable for thin gauge films.
HP7A8080AB	Anti-block masterbatch for polyolefin films on the basis of natural silicic acid.
PET794490ABCR	Antiblock masterbatch for PET films.
PET7A2220ABGL	Antiblock / lubricant masterbatch for PET films.
PP7A4820ABGL	Anti-block/lubricant combination masterbatch on a polypropylene basis, consisting of super-transparent synthetic silicate and erucamide, for use in super-transparent films made of PE and PP.



PRODUCT RANGE

 GABRIEL-CHEMIE <small>GROUP</small>	4.9) NUCLEATING MASTERBATCHES
HP78690/40NU	Inorganic nucleating masterbatch for obtaining a fine cell structure in polyolefin foam.
HP793690NU	Inorganic, highly concentrated nucleating masterbatch for obtaining a fine cell structure in polyolefin foam.
PET793780NUCR	Inorganic nucleating masterbatch for PET applications.
PP790017NU	Nucleating masterbatch to decrease cycle times, especially in PP injection moulding.
PP7A4060NU	Nucleating masterbatch to increase the transparency of PP articles. Outstanding transparency with particularly high thermal and chemical stability and excellent organoleptic properties.
PS790980NU	Inorganic nucleating masterbatch for obtaining a fine cell structure with reduced water absorption in XPS foamed sheet. Food approved for XPS food packaging.
SB78690NU	Inorganic nucleating masterbatch for obtaining a fine cell structure with reduced water absorption in XPS foamed sheet.
 GABRIEL-CHEMIE <small>GROUP</small>	4.10) BLOWING AGENT MASTERBATCHES
HP781700TR	Endothermic blowing agent masterbatch for the production of PS foamed sheet.
HP78810/40TR-D	Endothermic blowing agent masterbatch for obtaining foamed polyolefin articles with a very fine cell structure.


PRODUCT RANGE

 GABRIEL-CHEMIE <small>GROUP</small>	3.10) BLOWING AGENT MASTERBATCHES (continued)
HP78810/20TR-D	Endothermic blowing agent masterbatch for foamed polyolefins, particularly used to reduce sink marks in injection moulding and for producing films with a fine cell structure (e.g. PP decorative tapes).
HP789450TR-D	Endothermic blowing agent masterbatch for extrusion and injection moulding processing below 200°C.
 GABRIEL-CHEMIE <small>GROUP</small>	3.11) LASER MARKING ADDITIVES
Laser marking additives	Masterbatch to improve laser marking in thermoplastics. Detailed product portfolio available on request: Different additive preparations available depending on which polymer is to be marked, whether a light or dark colour change should be obtained and what laser-marking technology is used. Combination colour / laser-marking additive masterbatches are available on request.
 GABRIEL-CHEMIE <small>GROUP</small>	3.12) ANTIFOG MASTERBATCHES
HP790470AF	Antifog masterbatch for agricultural films.
HP792470AF	Antifog masterbatch for polyethylene films used for food packaging.
PP75770AFAB	Antifog / antiblock masterbatch for PP films used for food packaging.

PRODUCT RANGE

 GABRIEL-CHEMIE <small>GROUP</small>	3.13) CLEANING COMPOUNDS
HP7100CC	<p>Cleaning compound based on PE, used in high dosages for cleaning machine parts that come into contact with material (cylinder, screw, die), for example for reducing the cleaning time during colour changes.</p>
HP71840AOSF	<p>Acid scavenger / antioxidant combination masterbatch based on polyethylene, used for cleaning machines which have processed flame retardant polymer melts containing halogen. Used to neutralise thermal overstress of the flame retardant and for occasional rinsing of the machine. Also helps to avoid fish eye, which can be caused through the oxidative cross linking of polymers.</p>
SB71820SF	<p>Extremely effective acid scavenger masterbatch based on styrene polymers. Used to neutralise thermal overstress of the flame retardant and for occasionally rinsing foaming lines.</p>
UNS76380CC	<p>Cleaning compound for extrusion and injection moulding machines.</p>
 GABRIEL-CHEMIE <small>GROUP</small>	3.14) OTHER ADDITIVE MASTERBATCHES
HP77800ASL	<p>Antislip masterbatch to improve the stackability of heavy duty PE bags.</p>
HP7AA0410IR	<p>Highly efficient IR masterbatch for greenhouse films.</p>
HP790101ASP	<p>Antisplit masterbatch based on CaCO₃, used in films and tapes made of LDPE, LLDPE and PP. This product is also used as a matting agent.</p>

PRODUCT RANGE

 GABRIEL-CHEMIE <small>GROUP</small>	3.15) OTHER ADDITIVE MASTERBATCHES (continued)
HP7A7130ASP	Highly concentrated anti-split masterbatch on the basis of CaCO ₃ , worked into PE. Usable in films and tapes made of LDPE, LLDPE and PP. Also used as a matting agent.
PP7A7120ASP	Highly concentrated anti-split masterbatch on the basis of CaCO ₃ , worked into PP. Usable in films and tapes made of PP. Also used as a matting agent.
HP790230ZR	Masterbatch for regulating the cell structure and reducing thermal conductivity in polyolefin foam.
HP790240TACK	Tackifier masterbatch for producing an adhesive effect in polyolefin films, especially in LDPE/LLDPE stretch films.
HP7M0060AM	Antimicrobial masterbatch for polyolefins. Main applications are in the areas of home and lifestyle and consumer electronics.
PET795000EXT	Chain Extender – a reactive additive solution which improves the quality of recycled material for recycling applications. Achieves a general improvement in the processing properties and mechanical properties of PET through a reactive, multi functional influence on the molecular structure.
HPRG7A7920DRY	Moisture-absorbing masterbatch for the chemical binding of moisture in extrusion and injection moulding applications. Main applications in polyolefins: recycling, compounding, wood-plastic composites.

PRODUCT RANGE



CUSTOMISED ADDITIVE MASTERBATCHES FOR ALL RANGES, POLYMERS AND APPLICATIONS ON REQUEST

This product information acts as a guideline only and is subject to changes without notice. It should not be construed as guaranteeing specific properties or suitability for a particular application. Therefore, trials by the customers using their polymer at their specific conditions are highly recommended. This information has been translated – in case of doubts the original German version is to be considered.



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