



## SPECIAL PRODUCTS FOR

**PA**

**PET**

**PC**

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# Who We Are

In 2024 the company has been welcomed by the Greenchemicals Srl's family, highly specialized in flame retardant additives, with a particular focus on the development of halogen-free formulations and those with low environmental impact. Together, the two companies are marking a pathway in the plastics world toward innovation and sustainability.



## A SHARED VISION Recycle, Reuse, Reduce:

Polichem and Greechemicals achieve these goals together. All Polichem products can be considered sustainable, since they can lower processing temperatures and allow a higher production rate. The overall performance improves, while higher percentage of recycled products can be used.



**Greenchemicals** develops and promotes performing solution:

- Fire performance and thermal stability
- Superior environmental and health profile (more sustainable with halogen free solutions)
- Compatibility with polymeric matrix
- Cost / performance

Polichem develops innovative additives for the **PA** and **PET** applications, enhancing **sustainability** in production cycles and delivering **efficiency with a greener impact**.

## ABOUT POLICHEM

- Founded in 1989
- Based in Garlasco (PV) – North Italy
- Polichem premises include the production site, the analytical facilities and the application laboratory.



## PHYSICAL FORMS:

- Masterbatches
- Powder blends
- Liquid dispersions

## MAIN FIELDS OF APPLICATION:

- PA
- PP (virgin and recycled)
- PET (virgin and recycled)
- PTB
- PE

## MAIN PRODUCTS:

- Nucleating, crystallizing and mould release agents
- Processing aid and lubricants, not impacting on MFI
- Chain extenders and I.V. enhancers
- Chemical fluidifying agents, impacting on MFI
- High performance stabilizers package, organic and inorganic
- Additive to avoid fibrillating phenomena

## QUALITY MANAGEMENT SYSTEM

Polichem has started the process of adaptation of the **Quality Management System (QSM) in compliance with ISO 9001 STANDARD** to improve all activities associated with the quality, which Greenchemicals already adopted.

## MEMBERSHIP:

**pinfa**

Phosphorus, Inorganic & Nitrogen Flame Retardants Association



## Chain Extenders & I.V. Enhancers

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSIPOL PA-30</b>	Virgin PET, PBT Recycled PET, Recycled PBT	Chain extender.	It acts as a regrader and repolymerizing agent in reactive extrusion. Particularly suitable in fibres and compounds for non transparent end products.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,5% up to 2%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 130-140°C <b>COLOUR:</b> Pale yellow
<b>REGRANYL 90</b>	Virgin PA, Recycled PA, PA 12	Chain extender.	It acts as a regrading and re-polymerizing agent, through the extrusion process of polyamides. As an additional effect, it improves the mechanical characteristics in virgin PA.	<b>DOSAGE LEVEL:</b> <b>0,5%</b> or according to the requirement of process  <b>PRODUCT FORM:</b> Powder <b>MELTING POINT:</b> 95-105°C <b>COLOUR:</b> White
<b>REGRANYL MB-25</b>	Virgin PA6, Virgin PA 6,6, GF Recycled PA, PA 11, PA 12	Chain extender.	The product acts as a regrading and re-polymerizing agent, through the extrusion process of polyamides. As an additional effect, it improves the mechanical characteristics in virgin PA.	<b>DOSAGE LEVEL:</b> Recommended between <b>0,5% and 2%</b> according to the PA features and the final desired effect  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> >90°C <b>COLOUR:</b> Beige
<b>REGRANYL MB-90B</b>	Recycled PA, Virgin PA, PA 6, PA 6,6, PA 12	Chain extender.	It works as a regrader and re-polymerization agent, by the extrusion process. When compounded, it increases the viscosity of the polymers, the relative mechanical properties and the pressure on the extruder die.	<b>DOSAGE LEVEL:</b> Recommended addition levels are: <b>1%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 95-105°C <b>COLOUR:</b> White
<b>REGRATEX MB-D</b>	Virgin PET, Recycled PET	Chain extender.	Specifically suitable for transparent PET, the product increases the viscosity of the polymers, improves the mechanical properties and increases the pressure on the extruder die.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,1% up to 1%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 210°C <b>COLOUR:</b> Pale yellow

## Chain Extenders & I.V. Enhancers

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>REGRATEX MB-DIL</b>  <i>Diluted version of REGRATEX MB-D</i>	Virgin PET, Recycled PET	Chain extender.	Specifically suitable for transparent PET, it increases the viscosity of the polymers, improves the mechanical properties and increases the pressure on the extruder die. The formula is conceived in order to have an easier and more precise dosage in the extruder.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,1% up to 0,8%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 210°C <b>COLOUR:</b> Pale yellow
<b>REGRATEX P 60</b>	PET	Chain extender, scavenger.	The additive offers a better viscosity and molecular weight during the transition to the molten state. Ideal for transparent applications (sheets, films) and non-transparent ones (compound fabrics). If dosed at 0,05% it serves as a oligomer scavenger.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,05% up to 0,1%</b>  <b>PRODUCT FORM:</b> Liquid <b>COLOUR:</b> White

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>POLINYLD</b>	PA	Lubricant, mould releaser.	In PA for injection molding, the addition of POLINYLD dramatically reduces the cycle times and ameliorates the mold release. In PA for extrusion, the lubricant effect of the POLINYLD permits an extrusion without pulsations, increases the outputs and improves the gloss and the diameter constancy of the articles. The light resistance and the thermal stability of the POLINYLD are good. Suggested together with AUSINYLD DN and AUSINYLD M-DN for enhanced performance.	<b>DOSAGE LEVEL:</b> <b>0,05 - 0,2 %</b> - more details in technical sheet. <b>PRODUCT FORM:</b> Liquid <b>COLOUR:</b> Transparent Pale yellow
<b>VALPOL GP-4350</b>	PA, PET, PP, PC, PE, PBT + POM + PVC	Lubricant.	Formulated specifically for all technopolymer blends with high percentage of fillers or fibers. In compounding, improves internal lubrications, works as processing aid and compatibilizer. No change in IV.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,25% up to 1%</b> - refer to technical sheet for more details. <b>PRODUCT FORM:</b> Granules <b>COLOUR:</b> White
<b>VERSAPOL GP-446 P</b>	PA, PET, PP, PC, PE, PBT	Lubricant.	Acts as an internal lubricant and mold release agent and improves the pigment, fillers, flame retardant additives dispersion, promotes the flux junction, even with the high viscosity polymers, reducing the cycle times; Eliminates all tensions in the hand-made surfaces, improving the transparency and the HDT. In alloys, acts as "compatibilizer".	<b>DOSAGE LEVEL:</b> - Added before moluding: <b>0,1 - 0,2%</b> - Added before compounding: <b>0,25 - 0,3%</b> <b>PRODUCT FORM:</b> Liquid <b>COLOUR:</b> Colourless
<b>VERSAPOL GP-586</b>	PA, PET, PP, PC, PE, PBT	Lubricant.	When compounded into techno-polymers: - Acts an internal lubricant and mould release agent and improves dispersion; - Promotes the Flux Junction, even in case of high viscosity polymers, reducing the cycle times; - Eliminates all tension in the surface, improving the transparency and the HDT; Particularly suitable for PET honeycomb sheets.	<b>DOSAGE LEVEL:</b> Recommended addition levels are: - <b>0,1 - 0,5%</b> as processing aid, dispersing agent, mould releaser - <b>0,5 - 1%</b> as dispersing agent for filler and pigments <b>PRODUCT FORM:</b> Liquid <b>COLOUR:</b> Colourless
<b>VERSAPOL MB PC</b>	PC	Lubricant.	Versapol MB PC is used as a process aid for polycarbonate when external lubrication is required. Using this additive facilitates the production process while maintaining the aesthetic integrity of the finished product's surface.	<b>DOSAGE LEVEL:</b> Recommended addition levels are: between <b>1% and 4%</b> <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 215-225°C <b>COLOUR:</b> White

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSINYLD DN AUSINYLD M-DN</b>	PA 6 and PA 6.6	Nucleant.	Ausinyld DN - designed to act as both a crystallization promoter and mold release agent in the dry blending, compounding, and injection molding of PA, it is particularly effective in the conversion of textile-grade PA into injection-molding grade PA. The additive allows significantly shorter process cycles, an excellent mold release and improved mold filling, especially for thin-wall parts and components with large surfaces or complex geometries.  AUSINYLD M-DN - the nucleating agent in masterbatch form grants short cycle times, good mold filling, strong mold release, a good flow of the melted PA and important dimensional stability of injected articles in PA6 and PA6.6.	<b>AUSINYLD DN DOSAGE LEVEL:</b> - <b>0,15 - 0,3%</b> in PA-6.6 - <b>0,3 - 0,4%</b> in PA-6 <b>PRODUCT FORM:</b> Powder <b>COLOUR:</b> White  <b>AUSINYLD M-DN DOSAGE LEVEL:</b> - <b>0,5 - 0,7%</b> in PA-6.6 - <b>1 - 1,5%</b> in PA-6 <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 210-220°C <b>COLOUR:</b> Off White
<b>AUSINYLD MON 1</b>	PBT, PET	Nucleant, mould releaser.	As a nucleating agent for PBT and PET it has an excellent thermal stability, low volatility and color stability. It shortens the molding cycle and increases injection speeds in injection moulding.	<b>DOSAGE LEVEL:</b> Recommended addition levels <b>from 0,3% up to 0,8%</b> <b>PRODUCT FORM:</b> Granules <b>COLOUR:</b> Pale yellow
<b>AUSINYLD ULTRA DN</b>	PA 6 and PA 6.6	Nucleant, mould releaser.	The formulation of AUSINYLD ULTRA-DN includes a unique package of nucleating agents and mould release agents, meaning that no other additives are necessary to achieve an optimised moulding cycle.	<b>DOSAGE LEVEL:</b> Recommended addition levels - <b>0,1 - 0,15%</b> in the PA6.6 - <b>0,15 - 0,3%</b> in the PA6  <b>PRODUCT FORM:</b> Powder <b>MELTING POINT:</b> 145-170°C <b>COLOUR:</b> Off White
<b>AUSIPOL M22</b>	PA 6, PA 6.6, GF reinforced PA	Nucleant, mould releaser.	It offers an improved mold release, dimensional stability and keeps the mechanical properties.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,05% up to 0,2%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 220°C <b>COLOUR:</b> Whitish
<b>AUSIPOL 9151 ST</b>	PET	Nucleating agent.	Nucleating agent for PET foams.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,5% up to 1%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> >90°C <b>COLOUR:</b> Whitish

# Nucleating Agents

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSISTER P64</b>	PBT / PBT alloy	Nucleant, mould releaser.	AUSISTER P64 is suitable for PBT and PBT alloys and it is employed to improve the nucleation, shorten the crystallization time and maintain the dimensional stability.	<b>DOSAGE LEVEL:</b> Recommended addition levels from <b>0,5 %</b>  <b>PRODUCT FORM:</b> Powder - no dust <b>MELTING POINT:</b> >140°C <b>COLOUR:</b> White
<b>MASTER B</b>	PA 6 and PA 6.6	Nucleant, mould releaser.	The nucleating agent in masterbatch form grants a short cycle times, a good mold filling, a strong Mold-Release, a good flow of the melted PA and an important dimensional stability of injected articles in PA6 and Pa6,6 It can be used directly in injection molding or during compounding.	<b>DOSAGE LEVEL:</b> Recommended addition levels: <b>2% to 4%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 190-220°C <b>COLOUR:</b> Whitish
<b>NORMANYL 7030</b>	PA 6 and PA 6.6	NORMANYL 7030 is used as a nucleant mold release agent, processing aid and external lubricant both in dry addition and compounding of the PA and PBT reinforced and not reinforced.	Highly effective as a mold release agent, it reduced molding cycles, grants rapid cooling times. Molded parts result without bubbles, without smudging, guarantees high dimensional stability and homogeneous shrinkage, an extrusion without pulsations.	<b>USAGE LEVEL:</b> Recommended around <b>0,3%</b>  <b>PRODUCT FORM:</b> Powder <b>MELTING POINT:</b> 145-175°C <b>COLOUR:</b> Whitish
<b>POLVERE SN</b>	PA, PP, PE, ABS, PET	Nucleant, mould releaser.	A complete system of nucleating and mold release agents. Can be added to polymer directly in compounding or, through blending, with a binding agent Polinyl LD, Versapol GC-446 P or Versapol GP-586 to reduce cycle times.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>0,1% to 1%</b>  <b>PRODUCT FORM:</b> Powder <b>COLOUR:</b> Off white
<b>PROCASTER MB-MTC</b>	PET	Impact modifier, nucleant.	Improves the processability and impact strenght, mantaining PET transparency.	<b>DOSAGE LEVEL:</b> Recommended addition levels are from <b>3% up to 4%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> >200°C <b>COLOUR:</b> Whitish

# Nucleating Agents

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>PROCASTER MB-HDN</b>	GF Reinforced PET	Nucleant, mould releaser.	PROCASTER MB - HDN is an additive that compounded into PET dramatically affects crystallization rate and allows a strong mold release.	<b>DOSAGE LEVEL:</b> Recommended addition levels from <b>2% up to 3%</b>  <b>PRODUCT FORM:</b> Granules <b>BASE:</b> Polyolefin <b>ACTIVE CONC.:</b> 30% <b>MELTING POINT:</b> 155-160°C <b>COLOUR:</b> Whitish
<b>SOFTANYL MB-DG</b>	PA 6 and PA 6.6	Nucleant, mould releaser, stabilizer.	A complete formulation of nucleants, mold release agent, stabilizers for an optimized injection printing process. Best mechanical mold characteristics, dimensional stability, reduced shrinkage, better aesthetics.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>1,5%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 190-220°C <b>COLOUR:</b> Whitish
<b>PROCAPOL MB-SFT</b>	PP	Nucleating agent.	The PROCAPOL MB-SFT is a nucleating agent in masterbatch for PP that effectively improves the nucleation rate and the degree of crystallinity of the polymer during the liquid-solid phase transition.	<b>DOSAGE LEVEL:</b> Recommended addition levels are from <b>0,8% up to 1,5%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 155-160°C <b>COLOUR:</b> White

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSICER B-21</b>	ABS, regenerated ABS, regenerated PMMA	Processing aid, lubricant and mould releaser.	Easy processing additive, which improves odor dispersion, enhances ranges, reduces pulsations, stabilizes MFI.	<p><b>DOSAGE LEVEL:</b> - In ABS compounding and coloring <b>0,5 - 1%</b> - In regenerating ABS <b>0,7 - 1 %</b> - In PA and POM compounding <b>0,5 - 0,8%</b> - In regenerating PMMA <b>0,15%</b></p> <p><b>PRODUCT FORM:</b> Powder - no dust <b>MELTING POINT:</b> 145-165°C <b>COLOUR:</b> White</p>
<b>AUSIFLUID MB-PBT</b>	Virgin PBT and reinforced PBT	Processing aid, MFI increaser.	Designed to be effective both on virgin or reinforced PBT, leading to an improvement of flowability with a minimal loss of thermal and mechanical performances.	<p><b>DOSAGE LEVEL:</b> Recommended addition levels are <b>0,5 % to 1,50%</b> in reinforced or not reinforced compounds, according to starting MFI and final desired flowability</p> <p><b>PRODUCT FORM:</b> Granules <b>BASE:</b> PBT <b>MELTING POINT:</b> 220°C <b>COLOUR:</b> Off white</p>
<b>AUSIFLUID P-954</b>	ABS	Processing aid.	AUSIFLUID P-954 is a powder additive developed to improve the rheological characteristics of ABS compounds, including flame-retarded ones. It increases the MFI value, increases over 50% in mold filling under the same molding conditions with no alteration of aesthetic characteristics.	<p><b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 1% up to 4%</b></p> <p><b>PRODUCT FORM:</b> Powder <b>COLOUR:</b> White</p>
<b>AUSIFLUID MB PA-4530</b>	PA 6, PA 6.6, PA 6 GF, PA 6.6 GF	Processing aid, MFI increaser.	Designed to be effective both on high and medium viscosity polyamides, avoiding the loss of thermal and mechanical properties.	<p><b>DOSAGE LEVEL:</b> Recommended addition levels are <b>1% - 5%</b> according to the desired effect and PA type</p> <p><b>PRODUCT FORM:</b> Granules <b>BASE:</b> Polyamide <b>MELTING POINT:</b> 220°C <b>COLOUR:</b> White</p>
<b>AUSIMOLD MB-PC/ABS</b>	PC/ABS, ABS	Processing aid.	AUSIMOLD MB-PC/ABS is a fluidifier with no impact on MFI. The additive reduces viscosity without compromising mechanical or thermal characteristics of the end product.	<p><b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,8% up to 1,5%</b></p> <p><b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 60-120°C <b>COLOUR:</b> Whitish</p>

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSISTYR SRD</b>	ABS ABS/SAN	Processing aid, MFI increaser.	Easy processing additive, which enhances ranges, reduces pulsations, increases MFI, improves mechanical properties of ABS, "recovers" the mechanical properties, especially when ABS is formulated with high percentages of SAN.	<p><b>DOSAGE LEVEL:</b> in ABS compounding and coloring <b>0,5% - 1%</b></p> <p><b>PRODUCT FORM:</b> Powder - no dust <b>MELTING POINT:</b> 70-130°C <b>COLOUR:</b> Off white</p>
<b>AUSITERM 431</b>	PA, PC and ALLOYS	AUSITERM 431 finds application in compounding, recycling, colouring of PA, PC and alloys.	It affects both the product and the process, by a reduction of the melt viscosity, without any influence on the mechanical and optical properties. Side reported effects are the reduction of the process temperatures, good wetting ability towards fillers and pigments, improved intermeshing effects in the alloy production.	<p><b>DOSAGE LEVEL:</b> The range of dosage is: - <b>0,7%</b> in PA 6,6 - <b>1%</b> in PA6 - <b>1%</b> in PC and alloys</p> <p><b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 58-60°C <b>COLOUR:</b> Off white</p>
<b>AUSIWAX P</b>	ABS, Tarred sheet, Bituminized sheet, LDPE, HDPE	Processing aid.	In ABS it increases MFI. In bitumen it prevents stickiness ("tack"), improves water repellency, dissolves perfectly in bitumen without forming granules. In LDPE and HDPE it acts as an antiblocking agent. Food approved.	<p><b>DOSAGE LEVEL:</b> - <b>0,5 - 1%</b> in injection moulding - <b>1 - 1,5%</b> in granules compounding - <b>3 - 4%</b> in powder compounding</p> <p><b>PRODUCT FORM:</b> Micro-pearls <b>MELTING POINT:</b> 140°C <b>COLOUR:</b> White</p>

## Processing Aids / Mould Release

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSIMOLD PE-TS</b>	PC, ABS/PC, PBT, PC/PBT, PA 6.6, PA 6.6 GF Reinforced PA	Lubricant, mould releaser.	Lubricant and mould release agent, suitable for very high temperatures (280-350°C). Thermal stable and features a calibrated coming out. No hydrolysis effect.	<b>DOSAGE LEVEL:</b> Recommended addition levels are: - <b>0,10 - 0,20%</b> in transparent PC - <b>0,25 - 0,50%</b> in coloured PC - <b>0,30 - 0,50%</b> in ABS/PC, PBT, PC/PBT  <b>PRODUCT FORM:</b> Pearls <b>BASE:</b> Polyester of polyalcohol <b>MELTING POINT:</b> 65°C <b>COLOUR:</b> Off white
<b>AUSIPROPYL G9</b>	PP, PA, PE, PET, POM, PC	Mould releaser, lubricant.	It allows more regular outputs, better dispersion of the fillers and pigments, good lubrication for reduced die head pressure. It acts as a mould releaser and antistatic agent, especially in PP/ filled compounds.	<b>DOSAGE LEVEL:</b> From <b>0,10% to 0,60%</b> - more details in the Technical Sheets  <b>PRODUCT FORM:</b> Free flowing, dust free micro beads <b>BASE:</b> Monoester of polyalcol <b>MELTING POINT:</b> 68-70°C <b>COLOUR:</b> White
<b>AUSIPROPYL MB 2210</b>	PP, PA, PE, PET, POM, PC	Mould releaser, lubricant.	Suitable both for virgin and reinforced polyolefines, it acts as lubricant, processing aid, mould release and antistatic agent. In XPS results in an efficient stabilizer. In PA, PC, PET, etc. is a strong mould release agent.	<b>DOSAGE LEVEL:</b> From <b>0,10% to 0,80%</b> - more information in the technical sheets.  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 68-70°C <b>COLOUR:</b> White
<b>AUSISTER MB-PLB</b>	PET, reinforced PBT, non reinforced PBT	Mould releaser, processing aid, impact modifier, nucleant.	The use is suggested in extrusion/compounding in order to get an optimal distribution. Process conditions are the usual for PBT or PET/PBT. Compounds will show the following features: - Shorter cycle time - Optimal mould release - Optimal mould filling - Improved dimensional stability - No loss in I.V. value  When compounded into the PBT or into the PET not glass-fibers reinforced, dramatically affects the crystallization rate and the mold release characteristics.	<b>DOSAGE LEVEL:</b> Recommended addition levels: <b>from 1,0% up to 1,5%</b>  <b>PRODUCT FORM:</b> Granules <b>BASE:</b> Modified polyolefin <b>MELTING POINT:</b> 160-165°C <b>COLOUR:</b> White
<b>MASTER P</b>	PA 6, PA 6.6, PA 6 GF, PA 6.6 GF	Processing aid, mould releaser.	MASTER P is a crystallizer, mould release, processing aid for PA compounding, dry addition and injection moulding of complex or very thin pieces. Suitable for PA blends with different viscosity, high viscosity PA, high charging percentage PA and/or fiberglass of flame retardant.	<b>DOSAGE LEVEL:</b> Recommended addition levels: - <b>1%</b> in PA 6 - <b>0,8%</b> in PA 6.6 - <b>from 0,70 to 1%</b> in PA with high levels of GF, filling and flame retardant  <b>PRODUCT FORM:</b> Granules <b>BASE:</b> Polyamide <b>MELTING POINT:</b> >130°C <b>COLOUR:</b> Off white

## Processing Aids / Mould Release

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>PROCASTER MB-NRC</b>	Reinforced PET only	Nucleant, mould releaser, impact modifier.	In compounding and injection moulding acts as nucleant, impact modifier, mould release agent. Compared to PROCASTER MB-HDN it grants a better resistance to thermal stress.	<b>DOSAGE LEVEL:</b> Recommended addition levels <b>from 4% up to 5%</b>  <b>PRODUCT FORM:</b> Granules <b>BASE:</b> Modified polyolefin <b>SOFTENING POINT:</b> 60-70°C <b>MELTING POINT:</b> 160-165°C <b>COLOUR:</b> White
<b>PROCASTER PW-40</b>	Reinforced PET	Nucleant, mould releaser.	The reinforced PET modified with the PROCASTER PW-40 shows shorter cycle time, better mold filling, strong mold release, dimensional stability of injected or extruded articles and highest thermal and mechanical properties.	<b>DOSAGE LEVEL:</b> Recommended addition levels <b>from 0,7% up to 1,2%</b> according PET/GF ratio  <b>PRODUCT FORM:</b> Powder <b>BASE:</b> Modified polyolefin <b>SOFTENING POINT:</b> 58- 420°C <b>MELTING POINT:</b> 160-165°C <b>COLOUR:</b> Whitish
<b>PROCASTER PW-50B</b>	Reinforced PET, Reinforced PBT	Nucleant, mould releaser.	PROCASTER PW-50B is employed in reinforced PET and reinforced PBT to strongly improve the nucleation and shorten the crystallization time, leading meanwhile to an efficient mold release.	<b>DOSAGE LEVEL:</b> Recommended addition levels <b>from 0,6% up to 0,9%</b> according PET/GF ratio  <b>PRODUCT FORM:</b> Powder <b>DROP POINT / MELTING POINT:</b> >300 °C <b>COLOUR:</b> Pale yellow white

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSINOX BC-1714</b>	PA 6, PA 6.6, Virgin, Reinforced PA	Anti-yellowing.	Antioxidant and anti-yellowing in compounding, recycling and injection moulding. Preserves and recovers PA natural colors and the mechanical properties. Not suitable for copper or bromurated blends.	<b>DOSAGE LEVEL:</b> Recommended addition levels are: - 0,15 - 0,30% in PA6 - 0,25 - 0,40% in PA6.6  <b>PRODUCT FORM:</b> Powder <b>MELTING POINT:</b> >200°C <b>COLOUR:</b> Off white
<b>AUSINOX BN-2551</b>	PA 6, PA 6.6, Virgin or Reinforced PA	Anti-yellowing.	Antioxidant in compounding, rigenerating, injection moulding- suggested in light coloured or neutral PA, assuring no change in colour. Maintain the mechanical characteristics of the PA hand-made submitted to continuous thermal cycles.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,5% up to 0,6%</b>  <b>PRODUCT FORM:</b> Powder <b>MELTING POINT:</b> >70°C <b>COLOUR:</b> White
<b>AUSINOX H 10</b>	PA 6, PA 6.6, PA 12, PE	Stabilizer.	AUSINOX H10 is both an antioxidant and a thermal stabilizer, which prevents discoloration, grants low volatility. It is hydrolysis resistant with a synergistic action.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,1% up to 0,3%</b>  <b>PRODUCT FORM:</b> Powder <b>MELTING POINT:</b> >200°C <b>COLOUR:</b> White
<b>AUSINOX MB 26</b>	PE, PP, PS, PA, PC, ABS	Stabilizer.	General purpose: stabilizer, which reduces oxidative degradation of the polymers, granting a material stability in time.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 1% up to 2%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> >200°C <b>COLOUR:</b> White
<b>AUSINOX PA-2789</b>	PA 6, PA 6.6, Virgin or Reinforced PA	Antiyellowing, antioxidant.	Antioxidant and anti yellowing in compounding, recycling and injection moulding. Preserves and recovers PA natural colors and the mechanical properties. Not suitable for copper or bromurated blends.	<b>DOSAGE LEVEL:</b> - 0,5-0,75% in PA-6 - 0,75-1,5% in PA-6 / Glass Fibers - 0,8-1,2% in PA-6.6 - 1,2-2% in PA-6.6 / Glass Fibers  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 210-220°C <b>COLOUR:</b> White

NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSISTAB BTN</b>  <i>Available in masterbatch (AUSISTAB MB-BTN) and compacted form (AUSISTAB BTN C-51)</i>	PA 6, PA 6.6	Antioxidant.	It maintains the mechanical characteristics of the PA, submitted to continuous thermal cycles. It is recommended in black or dark colored PA compounds.	<b>DOSAGE LEVEL:</b> Recommended addition levels <b>from 0,5% up to 1%</b> according to the result desired  <b>PRODUCT FORM:</b> Powder <b>BASE:</b> Polypropylene <b>MELTING POINT:</b> 110-140°C <b>COLOUR:</b> Light green / Blue
<b>AUSISTAB MB-PC</b>	PC, PC alloys	Stabilizer.	Stabilizer and processing aid for PC and alloys, which prevents yellowing and grants an excellent mould release in injection moulding and compounding.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 2% up to 4%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 130-160°C <b>COLOUR:</b> Whitish
<b>ULTRASTAB MB-P</b>	Virgin or reinforced PA 6, Virgin or reinforced PA 6.6	Stabilizer.	ULTRASTAB MB-P is a stabilizer for PA virgin or reinforced, which prevents yellowing and recovers the neutral colour of PA already oxidized in injection moulding, regenerating and compounding.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>from 0,5% up to 1%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 60°C <b>COLOUR:</b> Whitish

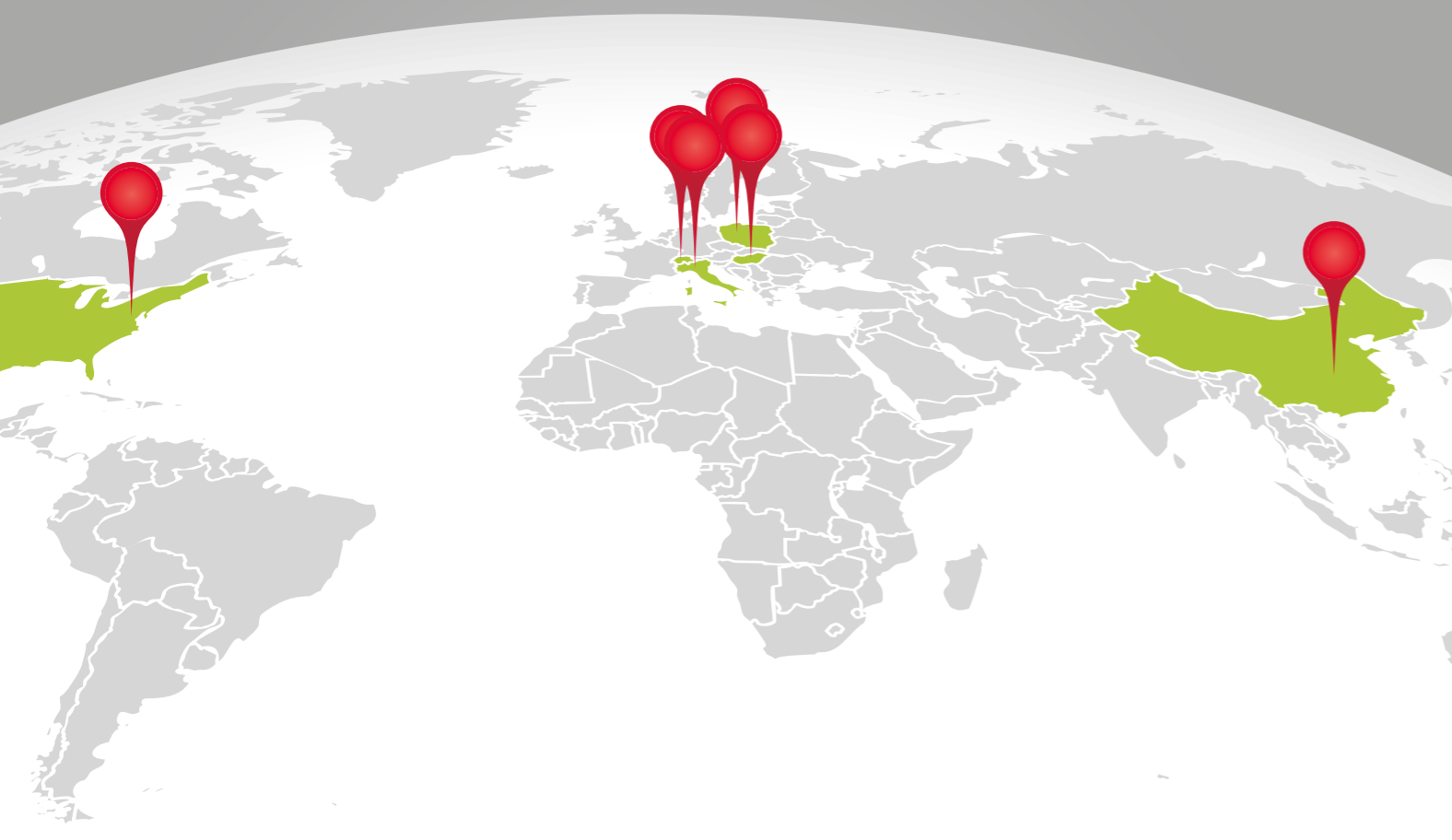
NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
<b>AUSICARB 2310 Polvere</b>	PC, ABS, ABS/PC	Impact modifier.	Improves anti-shocking and impact characteristics.	<b>DOSAGE LEVEL:</b> Recommended addition levels are from <b>2,5% up to 5%</b>  <b>PRODUCT FORM:</b> Powder <b>MELTING POINT:</b> 65-70°C <b>COLOUR:</b> White
<b>AUSICARB MB-D</b>	PC	Impact modifier.	Improves anti-shocking and impact characteristics, improves processability and flow in injection moulding process.	<b>DOSAGE LEVEL:</b> Recommended addition levels are from <b>2%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 90-105°C <b>COLOUR:</b> White
<b>AUSIPOL MB-1040 ST</b>	PET	Impact modifier.	Improves the processability and impact strenght, maintaining PET transparency.	<b>DOSAGE LEVEL:</b> Recommended addition levels are from <b>3% up to 5%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> >200°C <b>COLOUR:</b> Whitish
<b>AUSIPOL MB-3040 ST</b>	PETG	Impact modifier.	Improves the processability and impact strenght, maintaining PETG transparency.	<b>DOSAGE LEVEL:</b> Recommended addition levels are from <b>3% up to 5%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> >200°C <b>COLOUR:</b> Whitish
<b>AUSIPOL 9153 ST</b>	PP, PET, PA	Impact modifier.	Improves the processability and impact strenght by 20% to 30% of the PET.	<b>DOSAGE LEVEL:</b> Recommended addition levels are from <b>1% up to 5%</b>  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 90°C <b>COLOUR:</b> Whitish

FAMILY PRODUCT	NAME	POLYMER REF.	DESCRIPTION	EFFECTS	TECHNICAL DATAS
Anti-block	<b>PET A-BLOCK 02</b>	PET, PETG, PBS, PLA	Anti-blocking.	With optimized additive particle size, extremely high superficial area and great homogeneous dispersion in PET matrix, PET A-BLOCK 02 guarantees an extremely good antiblock effect for PET.	<b>DOSAGE LEVEL:</b> Recommended addition levels are <b>1 - 3%</b>  <b>PRODUCT FORM:</b> Granules <b>COLOUR:</b> Yellowish
	<b>AUSIFLUID 419</b>	PP	MFI enhancer.	AUSIFLUID 419 is a reactive additive designed for PP Homopolymers which acts as melt viscosity enhancer. It grants the molecular weight / viscosity control in the PP extrusion process.	<b>DOSAGE LEVEL:</b> The metering ranges between <b>0,2% and 0,3%</b>  <b>PRODUCT FORM:</b> Liquid <b>COLOUR:</b> Clear
	<b>AUSISTRAP AF-DDP</b>	PET (not transparent)	Anti-splitting.	A special multifunctional additive for non-transparent PET packaging straps production, which increases the fibrillation resistance along the extrusion flow, enhances mechanical features of strap at very cold conditions, improves the pressure on the extruder die, the melt strength and all mechanical properties.	<b>DOSAGE LEVEL:</b> Recommended addition levels from <b>1% up to 1,5%</b> according to strap thickness and PET starting I.V.  <b>PRODUCT FORM:</b> Granules <b>MELTING POINT:</b> 160-165°C <b>COLOUR:</b> White



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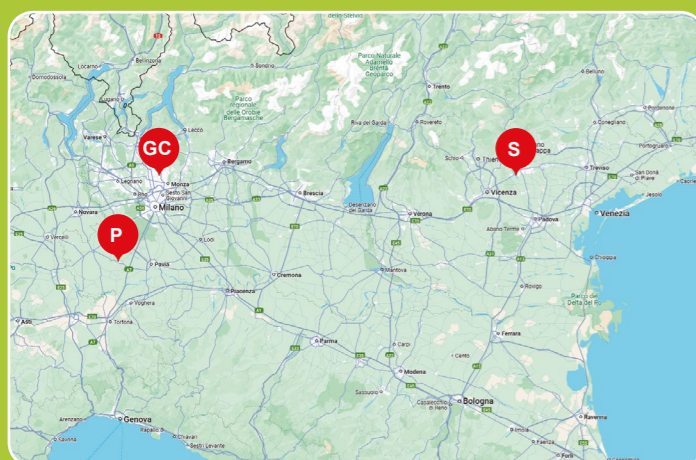
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