



ADDITIVES FOR **XPE • XPE cross linked • XPP**

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Who We Are

Greenchemicals S.r.l. is an Italian company highly specialized in flame retardant additives, with a particular focus on the development of halogen-free formulations and those with low environmental impact. Greenchemicals S.r.l. has always been considered a reliable global partner in the field of plastic additives.

Greenchemicals' products comply with REACH, CLP, SVHC, Food contact, ROHS requirements, if applicable.

ABOUT GREENCHEMICALS

- Founded in 2010 by Micaela Lorenzi
- **Headquarters in Desio – Italy;** fully owned companies:
Polichem S.r.l. (Garlasco, ITALY) and
Greenchemicals SA (Lugano, SWITZERLAND)



- Specialized in flame retardant formulations, it represents a reliable partner for **plastic additives** worldwide

MAIN FIELDS OF APPLICATION:

- XPS, EPS, X-EPS
- XPE, XPU
- Engineering Thermoplastics
- Reactive flame retardants

OTHER PRODUCTS:

- Antioxidants
- Uv
- Processing aids
- Color masterbatches

GC - VISION

Develop and promote performing solutions:

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



QUALITY MANAGEMENT SYSTEM

Greenchemicals decided to adopt Quality Management System (QMS) in compliance with ISO 9001 STANDARD to improve all activities associated with the quality.

Greenchemicals has always supported agile working methods such as smart working, part time and flexible work schedules in order to allow for a better family management.



GC - PHYSICAL FORMS

- Masterbatches
- Powder Blends
- Compacted Blends
- Cold Extruded Pellets
- Liquid Dispersions

In 2024 Greenchemicals acquires



MEMBERSHIP:



Additives for XPE • XPE Cross lined XPP

THE RANGE



Products for XPE-XPP – XPE Cross linked

PRODUCT NAME	APPLICATIONS	DESCRIPTION
Flame Retardant Masterbatches		
GC D HF 41 CE PHYSICAL FORM: MB	Masterbatch for XPE.	90% active halogen free flame retardant, carried on PE WAX. Flame retardant package is a combination of P1 base flame retardant with its antimony free synergist.
GC HF 1000 CE - HALOGEN FREE - PHYSICAL FORM: MB	Masterbatch for XPE.	90% active halogen free flame retardant, carried on PE WAX. Flame retardant package is a combination of P/N base flame retardant with its antimony free synergist. It works with intumescent mechanism.
MB PE BATO 21 PHYSICAL FORM: MB	Masterbatch for XPE.	60% active flame retardant masterbatch, carried on high MFI LDPE. Flame retardant package is a really active combination of easy melting and highly thermal stable brominate FR and antimony trioxide as synergist.
MB PE BDDP 50 PHYSICAL FORM: MB	Masterbatch for XPE.	50% active flame retardant masterbatch, carried on high MFI LDPE. It Contains an aliphatic-aromatic brominate flame retardant, antimony free.
MB PE BIT 60 PHYSICAL FORM: MB	Masterbatch for XPE.	Flame retardant masterbatch for XPE, CPO, DBDPE free. Easy meltable and enviromental friendly.
MB PE CPO 31 PHYSICAL FORM: MB	Masterbatch for XPE.	60% active flame retardant masterbatch, carried on high MFI LDPE. Flame retardant package is a combination of clorinated paraffin FR and antimony trioxide as synergist.
MB PE DETO 31 PHYSICAL FORM: MB	Masterbatch for XPE.	80% active flame retardant masterbatch, carried on high MFI LDPE. Flame retardant package is a really active combination of brominate FR and antimony trioxide as synergist.

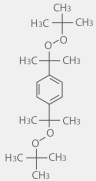
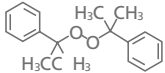
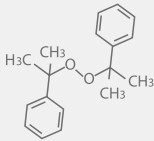
Color Masterbatches

* We can offer a full range of color masterbatches, carried on GPPS and PETG.

Products for XPE-XPP – XPE Cross linked

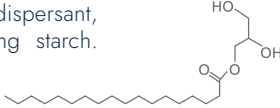
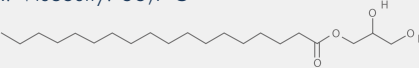
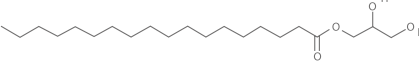
PRODUCT NAME	APPLICATIONS	DESCRIPTION
Talc & Endothermic Nucleating Masterbatches		
GC HYDRONUC 35 PHYSICAL FORM: GR, NDB	Nucleating for XPE.	45% active masterbatch, carried in high MFI LDPE, of chemical and physical endothermic blowing agent mixture.
GC HYDRONUC 35 T PHYSICAL FORM: GR, NDB	Nucleating additive for XPE.	35% active masterbatch, carried in high MFI LDPE, of chemical endothermic blowing agent mixture.
STARCELL PO 70 PHYSICAL FORM: MB	Talc masterbatch for XPE, also pigmented.	70% active masterbatch, carried in high MFI LDPE, of talc with particle size: d50 2-4 µm.
STARCELL PO 70 U PHYSICAL FORM: MB	Talc masterbatch for XPE, also pigmented.	70% active masterbatch, carried in high MFI LDPE, of talc with particle size: d50 2-4 µm. We can offer laminar and very active spherical talc.

Peroxides

GC BIPB 40 Bis (t-butilperossi isopropil) benzene PHYSICAL FORM: PELLETS	Thermoplastic Polyolefins / natural and synthetic Rubber.	40% active compacted pellets of di-(tertbutyl peroxiisopropyl) benzene, mainly known as bis-peroxide, supported by calcium carbonate and silica. M.P./S.R. Viscosity: 37-54°C	
GC C DC 40 PHYSICAL FORM: PELLETS	Thermoplastic Polyolefins / natural and synthetic Rubber.	40% active compacted pellets of dicumyl peroxide, supported by calcium carbonate and silica.	
GC DICUMYL PEROXIDE Dycumil Peroxide CAS n. 80-43-3 PHYSICAL FORM: FLAKES	Polyolefins / Elastomers (tubes, wires, tires, rubber seals).	98% pure dicumyl peroxide in flakes. M.P./S.R. Viscosity: >39°C	

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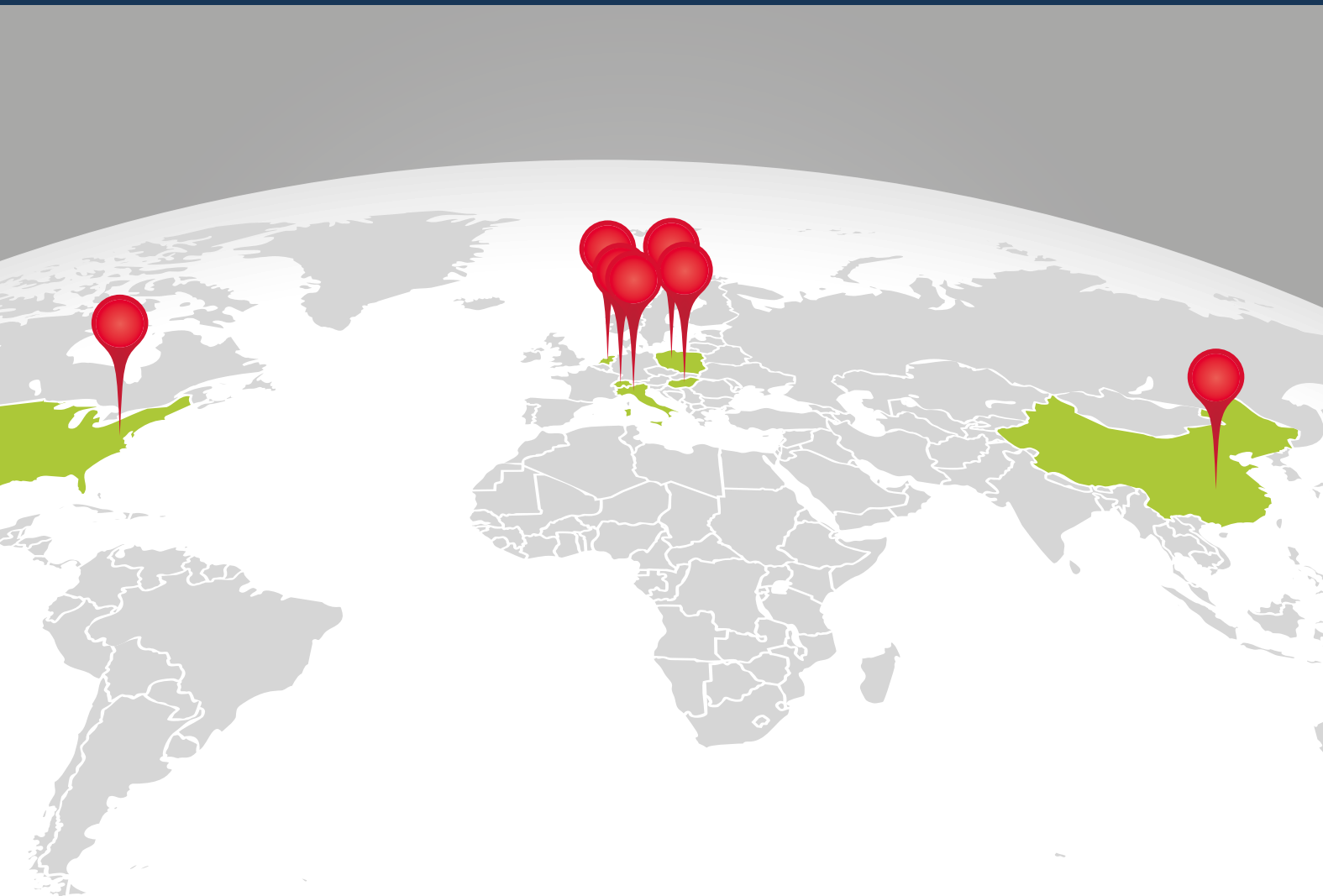
Products for XPE-XPP – XPE Cross linked

PRODUCT NAME	APPLICATIONS	DESCRIPTION
Process Aid & Antistatics		
GC DGM 95 Distilled glycerol monostearate PHYSICAL FORM: PASTILLES	Food, cosmetic and plastic.	It can be used in plastic sector as anti-static, anti-fog or lubricant. It's a good emulsifier, dispersant, stabilizer and anti-aging starch. 
GC GMS 90 Stearic acid, monester with glycerol (gms conc. ≥90) CAS n. 123-94-4 PHYSICAL FORM: PW	Processing aid MB for XPE-XPP.	Glycerol mono stearate tri-substituted, 90% pure, in micro-pearls or in powder form. M.P./S.R. Viscosity: 66,7°C 
GC GMS 40 Stearic acid, monester with glycerol (gms conc. ≥40) CAS n. 31566-31-1 PHYSICAL FORM: FLAKES	Processing aid MB for XPE-XPP.	Glycerol mono stearate mono-substituted, 40% pure, in flakes. M.P./S.R. Viscosity: 66,7°C 
STARAID EV G 30 PHYSICAL FORM: MB	Processing aid MB for XPE-XPP based on fat organic acid ester on EVA.	Processing aid masterbatch, based on GMS and carried on EVA.
STARAID EV G 39 <i>GMS masterbatch - high purity</i>	Developed specially for XLDPE applications.	STARAID EV G 39 is a 30% glyceryl monostearate masterbatch in a polyolefin matrix. With XLDPE it works as a cell stabilizer and short term antistatic.
MB PE MOX RANGE		Increases by 10% AZO activity, allowing to reduce its dosage, with high cost saving. It's also a processing aid, because it increases the reaction time windows. It allows the use of Bis-peroxide, in stead of Dicumyl, reducing dramatically the smell.
MB PE IDRO 60 R1		It's a halogen free flame retardant masterbatch, which is necessary to reduce the heat, during the flame. It's normally used in combination with MB PE DETO31.

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Where We Are in the world

Contact Us!



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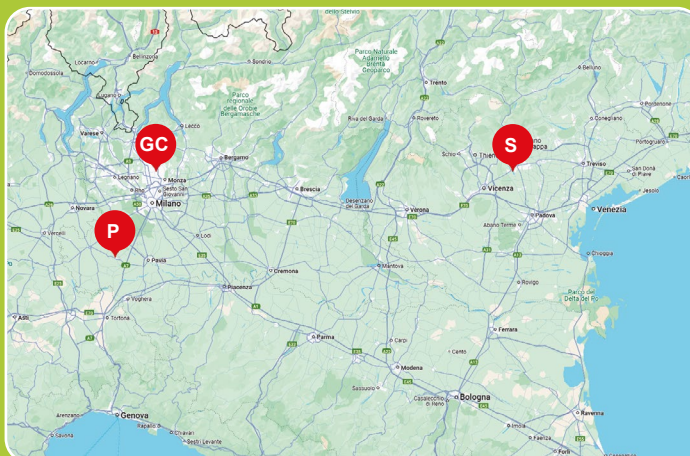
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