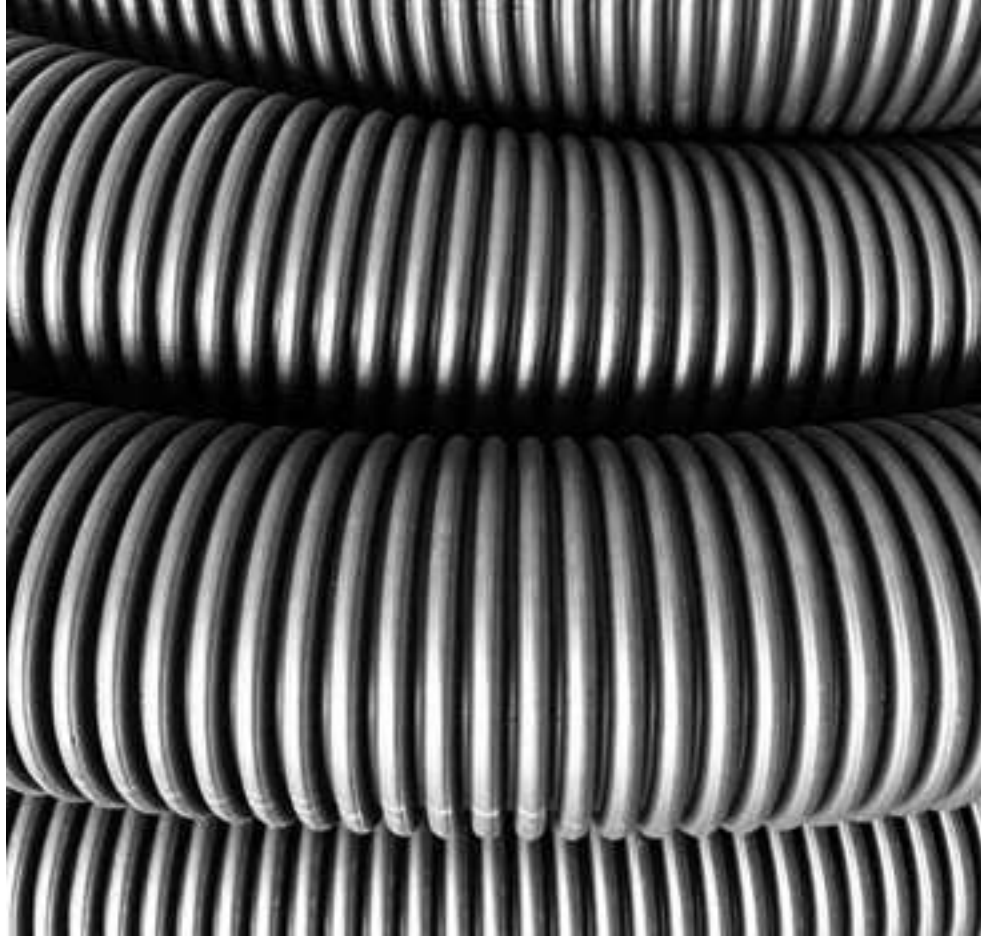


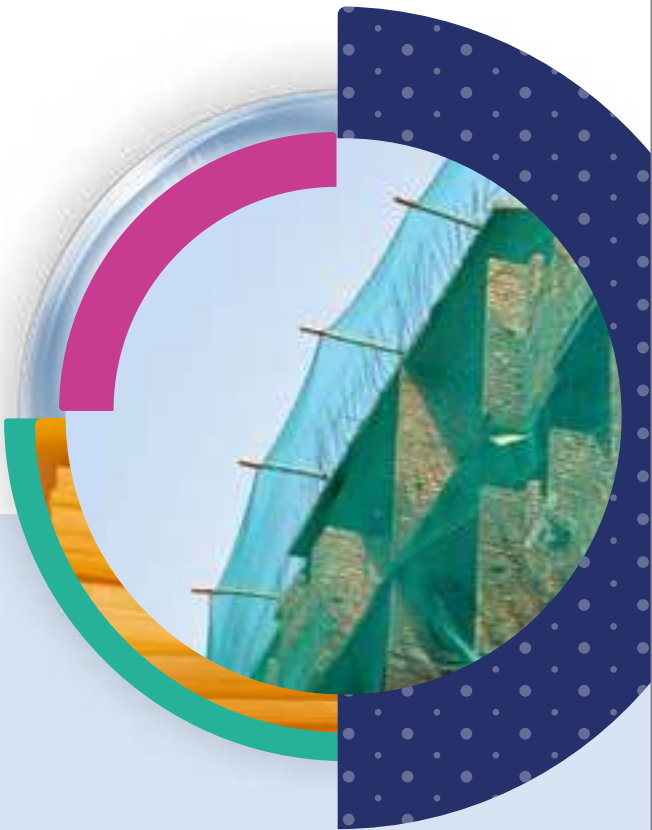


CMGulf

Advanced Additive & Color Solutions
for **Building & Construction**



High-Performance Masterbatch & Compound Solutions for Lasting Building Quality



Key Functional Masterbatch & Compound Solutions

- **Flame Retardants**
- **Cell Stabilizers**
- **Nucleating Agents**
- **Extends Outdoor Product Durability**
- **Anti-Static Additives**
- **IR Reflective Additives**
- **Customized Color Solutions**

Meeting Environmental and Safety Standards

Tosaf develops additive solutions that address the construction industry's strict requirements, supporting fire safety, long-term durability, and environmental responsibility:

- ✔ Halogen-free and RoHS-compliant options for safer, more responsible materials
- ✔ Support for recycled content and compatibility with circular use of raw materials
- ✔ Compliance with key fire safety standards including DIN 4102, EN 13501-1, and UL-94s
- ✔ Formulated for multiple polymers including PE, PP, PS, and ABS
- ✔ Durable solutions for indoor and outdoor use with UV, anti-static, and IR protection

Main Applications

- Polypropylene (PP) • ABS and Polyethylene (PE) Sheets
- Corrugated and Smooth Pipes

Your Success Is Our Mission

Reliable, high-performing materials are key to thriving in the field. That's why we work closely with you, from lab to field, to tailor solutions that meet your exact needs.

- **Global reach** with local support
- **Custom formulations** for your process and climate
- **Decades** of proven performance
- **Expert guidance** where and when you need it
- **Long-term partnerships** to improve resilience and productivity

Masterbatch & Compound Solutions for Building & Construction

>> This catalog features core solutions designed to address common industry needs. Customized grades are also available to support unique challenges and evolving requirements.

XPS

Product	Active Ingredients	Benefits
FR6964PS	Polymeric FR	Extremely high stabilization package with minimal contribution to product density.
FR3985PS	Polymeric & non-polymeric FR	Highly effective FR system MB.
FR6919PS	Non-polymeric FR	FR MB with excellent thermal stability and FR performance.
FR0253PS	Non-polymeric FR & nucleating agent	Cost-effective FR MB with good temperature resistance, contains nucleating agent.
FR0003PS	Polymeric FR & nucleating agent	Cost-effective FR MB with high temperature resistance, contains nucleating agent.
FA0953PE	Endothermic foaming agent	Highly effective, creates a fine foam structure with small cells.
NU1811PS	60% Talc	Highly concentrated, improves cell uniformity and reduces XPS foam density.
IP2696EV	50% Cell stabilizer	Designed to prevent cell collapse in extruded PS foamed articles.
IR9295PSK	40% IR Black	Infrared reflective (carbon black-free) black MB.
COLORS	Various	Customized colors for XPS, tailored to requirements.

X-EPS

Product	Active Ingredients	Benefits
FR9685PS	Non-polymeric FR	Highly concentrated product with a special ratio of synergist and stabilizers; cost-effective.
FR9390PS	Polymeric & non-polymeric FR	FR masterbatch combining polymeric and non-polymeric FR, synergist and stabilizers.
FR9239PS	Polymeric FR	Combi-batch with FR, synergist & stabilizers.
FR9289PS	Non-polymeric FR	Improved combi-batch: Wax, talc, FR, synergist, stabilizers.

PE Foam

Product	Active Ingredients	Benefits
FR1653PE	Bromine-based	Brominated FR for PE foam and cross-linked PE foam.
FR7733PE	Chlorine-based	Chlorinated FR for PE foam.
FR7451PE	Halogen-free	HFFR for PE foam and cross-linked PE foam.
NU2699PE	50% Talc	For fine cell structure and good foam stability.

Sheets & Boards

PP

Product	Active Ingredients	Benefits
FR6421HP	Halogenated	Cost-effective MB for thin PP boards. UL-94 V2.
FR8719PP	Halogen-free	New generation HFFR MB, UL-94 V2.
FR8830PP	Halogen-free	New generation HFFR MB, UL-94 V0.
FR8775PP	Halogen-free	HFFR V0 compound for extrusion process.
UV8534HP	HALS	UV additive for PP, sheet protection, works with halogenated-free FR.
UV0830PP	HALS	UV additive for PP designed to work with halogenated FR.
ST1441HP	Anti-static mixture	Short & long-term anti-static properties.
CT5822PP	75% Talc	Improves stiffness, density, and temperature resistance.

ABS

Product	Active Ingredients	Benefits
FR3916AB	Halogenated	Brominated MB for V0 ABS sheets.
FR9380AB	Halogen-free	HFFR compound for V0 ABS at 2mm.

PE

Product	Active Ingredients	Benefits
FR2655PE	Halogen-free	HFFR MB. UL-94 V0.
FR0156PE	Halogenated	FR MB. UL-94 V0/V2.
UV2218PE	HALS	UV additive for PE sheet protection, works with halogenated-free FR.
UV1813PE	HALS	UV additive for PE, designed to work with halogenated FR.

Corrugated & Smooth Pipes

Product	Pipe Polymer	Active Ingredients	Benefits
FR6844PE	PP	Bromine-based	FR MB for UL-94 V2, CEI EN 692-2-4/1.
FR8719PP	PP	Halogen-free	HFFR for UL-94 V2, EN 61386.1, GWIT 850°C.
FR6413PE	PP	Bromine-based	FR MB for UL-94 V0, GWIT 850°C.
FR8845PP	PP	Halogen-free	HFFR V0 compound.
FR0049PE	PP & PE	Chlorine-based	FR MB. Performs on both PP and PE pipes.
FR0156PE	PE	Bromine-based	FR MB for PE pipes. UL-94 V0/V2, GWIT 850°C.
FR2655PE	PE	Halogen-free	HFFR MB for PE pipes. UL-94 V0.
FR7676HD	PE	Halogen-free	HFFR V0 compound.

Industrial Film / Raffia / Tarpaulin / Fiber

Product	Active Ingredients	Benefits
FR0156PE	Bromine-based	FR MB for PE films. DIN 4102 B2/B1, NFPA 701, EN 13823 Bs1d0.
FR8756PE	Bromine-based	Cost-effective MB for PE films.
FR3654PE	Bromine-based	Effective FR MB for raffia/film, improved stability and film sealability/adhesion.
FR0049PE	Chlorine-based	FR MB for films. UL94 VTM 0, DIN B2/B1, NFPA 701.
FR7451PE	Halogen-free	HF MB for PE & PP. UL94 VTM 0, DIN B2/B1.
FR8906PE	Halogen-free	FR MB for PE films up to 100μ. FMVSS302, LPS 1207.
FR0169PP	Halogen-free	HF MB for PP fiber. UL94 VTM-2, DIN 4102 B2.
AL8804PE	Proprietary	Special organic anti-slip additive.
UV0910PE	HALS	Cost-effective UV additive for industrial film & FIBC-raffia applications working with halogenated-free FR.
UV6253HP	HALS	UV additive for FIBC-raffia based on PP, works with halogenated-free FR.
UV2218PE	HALS	UV additive for industrial film and tarpaulin, works with halogenated-free FR.
UV1813PE	HALS	UV additive for industrial film, works with halogenated FR.
UV3625PE	HALS	UV additive for fiber applications, works with halogenated-free FR.

Injection Molding

PP

Product	Active Ingredients	Benefits
FR6413PE	Bromine-based	FR MB for UL94 V0/V2, DIN 4102 B2, GWIT 850°C.
FR8719PP	Halogen-free	HFFR for UL-94 V2, GWIT 960°C.
FR7635PE	Bromine-based	FR MB for PP UL-94 V0 GWIT 960°C.
FR8830PP	Halogen-free	HFFR f UL-94 V0.
UV0830PP	HALS	UV additive for PP, designed to work with halogenated FR.

PE

FR0156PE	Bromine-based	FR MB for polyolefins UL94 V0/V2.
UV4467PE	HALS	UV additive for PE, designed to work with halogenated FR.

PS

FR7895PS	Bromine-based	UL94 V2, GWFI 960°C.
FR2941PS	Bromine-based	FR MB for V0.

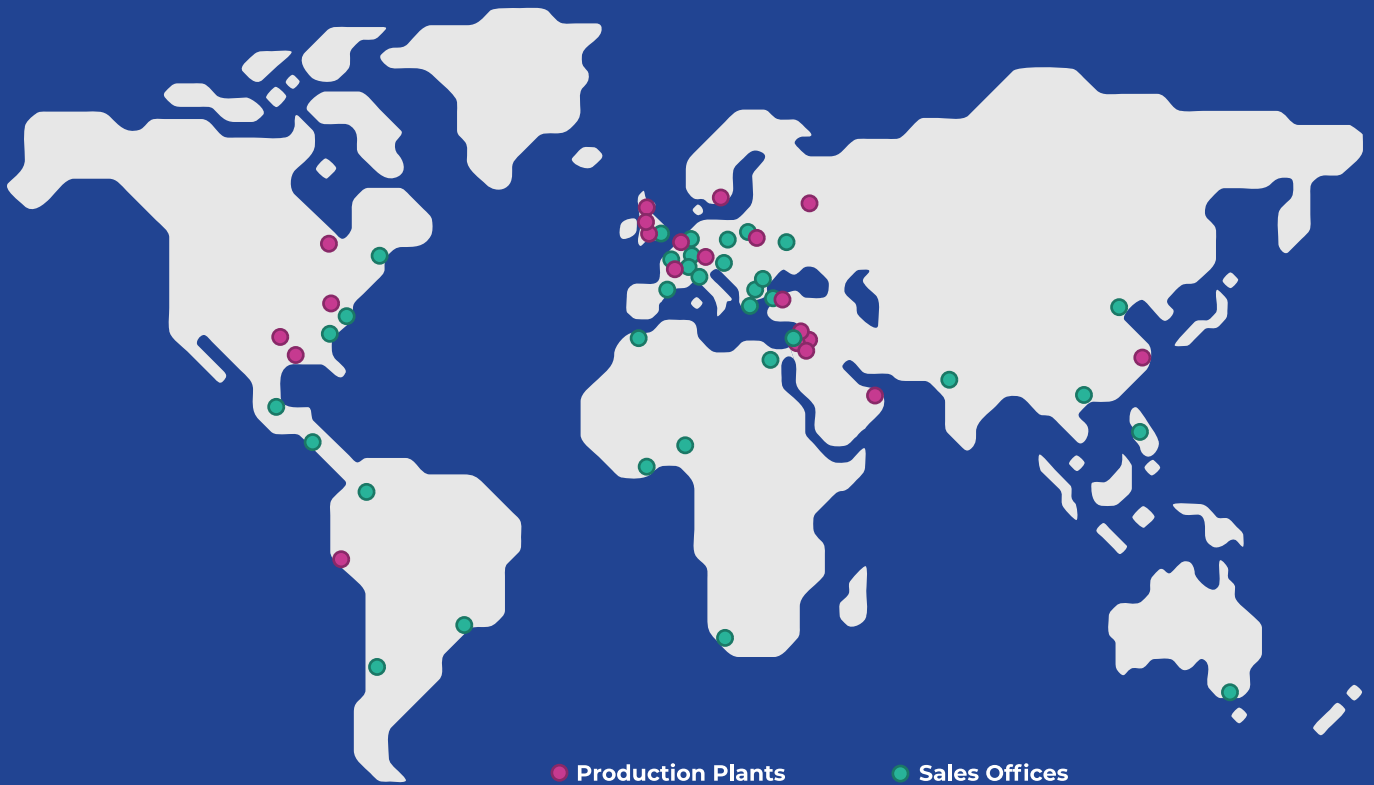
HIPS/ABS/ASA/PC+ABS

FR0625SA	Bromine-based	FR MB for UL94 V0.
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PA/PA+GF/PBT/HIPS/ABS

FR3962EM	Bromine-based	FR MB for UL94 V0 and other standards.
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Making it Happen Globally.



Innovating for the Future

We are constantly preparing for the challenges of tomorrow, today!

- ✓ Immersing ourselves in your industry to deliver forward-thinking solutions.
- ✓ Customization is key - We'll create the precise solution you need.
- ✓ We heavily invest in cutting-edge machinery and technology to uphold the highest quality standards.
- ✓ Prioritizing sustainability with recyclable, environmentally-friendly products designed for a better future.

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 CMGulf (COMPOUNDMASTER GULF FZE)

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