



Customize solutions with
Kafrit Group Masterbatches and Compounds

Masterbatches for Pipes and Sheets



Working together for the future of plastics.



Kafrit Group is a leading producer of Masterbatches and Compounds for the plastics industry and currently employs more than 470 people. In 2021, the Group achieved USD 302 million \$ turnover with an available capacity of more than 120,000 MT. Moreover, the company is active on a global scale and has set up production sites all over the world.

All of this began in 1973 when the company was founded in Israel. Since then, the company has grown primarily via acquisition.

Today, the Kafrit Group incorporates **Kafrit Industries (1993) Ltd. in Israel, CONSTAB Polyolefin Additives GmbH and Delta Kunststoffe AG in Germany, China's Suzhou Constab Engineering Plastics Co. LTD, Polyfil Inc. in the USA, the Canada-based Kafrit NA Ltd. and Addvanze AB in Sweden.** With more than 50 years of experience in the plastics processing industry, the company can draw on high levels of expertise and technical know-how. Kafrit Group places a high value on sustainability and has made it to one of the cornerstones of our corporate strategy.

Our unbridled dedication to environmental, social and financial issues makes us to one of the leading business partners in the plastics industry. Our customers value our passion and appreciate our ecological awareness and social commitment. Moreover, they recognize our world leading services and consider our products as among the best within our industry.

We develop and produce cost-efficient solutions which will enhance the completion of high-quality end products in many areas of the plastics industry, such as packaging films (BOPP, BOPE, CPP, PE), PC sheet, agricultural films and derivatives, biopolymers, flame retardant applications, PEX, pipes, fibers and nonwovens.

 KAFRIT IL ①

 CONSTAB GER ②

 CONSTAB CN ③

 KAFRIT NA ④

 POLYFIL USA ⑤

 ADDVANZE SWE ⑥

 DELTA KUNSTSTOFFE GER ⑦



● Kafrit Group production sites

● Agencies/Distribution

Unite talent and technology to drive the future of plastics, together.

This purpose is the driving force of our organization. The reason we do what we do, why we come to work every day. And although our group is made of many different Companies around the world, our purpose unites us.

These three pillars support our purpose

TOGETHER TO THE FUTURE

The world doesn't stand still, and nor do we. We're always looking ahead, searching for new ways to sustainably grow and thrive. To push our technology and keep working on the next generation of solutions to benefit our customers. Working together in perfect synergy to achieve something great, today and tomorrow.

TALENT

Around the world, we have hundreds of talented colleagues and partners. All with unique skills, multidisciplinary knowledge, and deep industry experience. Innovators with brilliant ideas and the drive to see them through. People striving for excellence in everything they do.

TECHNOLOGY

After decades in the plastics industry, we have more than high levels of expertise, a strong focus on customer service, and vast technical knowledge. We also have a burning passion for innovation and transformation. A passion that drives us to seek out new solutions, new machinery, and fresh ways to give our customers just what they need.

Together we have the power to drive the future of plastics – within our community and around the world. And we'll keep doing it, today, tomorrow and always.

But the real magic happens when we work together. There's a spark, an energy. A belief that anything is possible. And that's how we provide the best solutions for our customers.

And with the latest technology in our hands and new innovations within our grasp, there's only one question. How far can we go?



Defining new production goals

Experience the new high performance products

Research that takes us to the top

Throughout our company history, research and development have always been a key area of our expertise. Kafrit employs a staff of more than 470 people that work on innovative products and make use of our vast pool of knowledge that we developed in 50 years of experience in the plastics industry. Our experts optimize and develop additive concentrates, flame retardants, color concentrates, and compounds for various applications.

Kafrit enjoys a close partnership with renowned research institutions at the Shenkar University in Israel and at different universities in Germany. Moreover, we maintain a strong co-operation with well-known suppliers including machine manufacturers that do recommend our products for use in combination with their machines.

Our tailor-made solutions – exceeding your expectations.

Check Kafrit Group's latest Halogen-Free Flame Retardant Masterbatches:

- Unique performance in sheets, pipes and foams made of PE, PP, PS.
- Applicable in sheets, pipes and others
- Suitable for translucent to transparent articles
- Excellent UV stability

New Halogen-Free Flame Retardant Masterbatches open new market opportunities:

- High efficiency
- Low dosing levels
- Good optical properties
- High UV light resistance

Further advantages are:

- Easy processing in many articles made from polyolefins
- Suitable as replacement of existing systems as well as for new market opportunities
- Dedicated grades for various fire standards provide optimum performance



Our products
are performing
where conventional
systems fail.

1. Flame Retardants

Code	Application	Description	Dosing %
FR 0B041 LD	Films , foams	Chlorinated FR masterbatch. LPS 1207, FMVSS 302, UL94, DIN 4102 B1, B2, EN 13501-1.	4.0 – 10.0
FR 07167 LD	Pipes, sheets, foams	Chlorinated flame retardant masterbatch. Provides flame retardancy according FMVSS 302, UL-94, DIN 4102-1, EN 13501-1	3.0 – 20.0
FR 00R58A PS	Foams	Polymeric brominated FR masterbatch. DIN 4102 B1, B2. Suitable for flame retarding foamed PS (XPS). Based on Polymeric FR, which does not bloom. HBCD free.	2.0 – 7.0
FR 00284 PS	Foams	Monomeric brominated flame retardant plus synergist plus nucleation masterbatch. DIN 4102 B1, B2, EN 13501 E. Suitable for flame retarding foamed PS (XPS).	2.0 – 5.0
FR 07180 LD	Pipes, Sheets, Foams	Brominated flame retardant masterbatch. Provides flame retardancy according FMVSS 302, UL94, DIN 4102-1, EN 13501-1.	3.0 – 20.0
FR 0D200 LL	Sheets, profiles, films, pipes	Brominated FR masterbatch. LPS 1207, FMVSS 302, UL94, DIN 4102 B1, B2, EN 13501-1, EN 61386-1, available in many different colors.	3.0 – 10.0
FR 00T64 LD	Sheets, profiles, pipes	Brominated FR masterbatch. LPS 1207, FMVSS 302, UL94, DIN 4102 B1, B2, EN 13501-1.	4.0 – 40.0
FR 00S83 LL	Sheets, profiles, pipes, woven	Brominated FR masterbatch. LPS 1207, FMVSS 302, UL94, DIN 4102 B1, B2, EN 13501-1.	5.0 – 25.00
HFFR 00228 PP	Sheets, profiles, pipes	Halogen-free FR masterbatch. LPS 1207, UL94, EN 61386-1, low smoke standards, low HRR.	2.5 – 7.0
HFFR 00963 PP	Sheets, profiles, pipes	Halogen-free FR masterbatch UL94 V0, suitable for injection molding and extrusion (PP).	20.0 – 40.0
HFFR 00557 LD	Sheets, profiles, pipes	Halogen-free FR masterbatch UL94 V0, suitable for injection molding and extrusion (PE/PP).	20.0 – 40.0
FR 05080 LD	Sheets, profiles, pipes	90 % Antimony Trioxide MB on LDPE carrier	2.0 – 10.0
FR 01120 UNI	Sheets, profiles, pipes	80 % Antimony Trioxide MB on EMA carrier,suitable for PA, PBT PS, ABS, LDPE, LLDPE, PP, HDPE and PVC	4.0 – 10.0
FR 0M09B ABS	Sheets	Brominated FR masterbatch. UL94 V0.	18.0 – 30.0
FR 00676 ACR	Sheets	Brominated FR semi Compound ,Supply UL 94 V2 performance for PMMA Sheet Extrusion with great Transparency	48.0 – 52.0
HFFR 00921 ABS	Sheets	Halogen-free FR compound UL94 V0 (PC/ABS compound) , Possible color match."	100.0

Code	Application	Description	Dosing %
ZHFR 07175 LD	Pipes, sheets, foams	Zero halogen flame retardant masterbatch Provides flame retardancy according FMVSS 302, UL94, DIN 4102-1, EN 13501-1.	2.0 – 12.0
ZHFR 07179 UNI	Pipes, sheets, foams	Zero halogen flame retardant masterbatch Provides flame retardany according NF P 92-503 including NF P 92-504, NF P 92-505 for classification M1 to M4."	10.0 – 18.0

2. UV

Code	Application	Description	Dosing %
UV 01006 LD	Sheets	UV-absorber with HALS.	1.0 – 10.0
UV 01017 PP	Sheets	20 % HALS stabilizer.	1.0 – 5.0
UV 01370 PP	Pipes, sheets	20 % HALS UV-light stabilizer for extreme demands.	1.0 – 5.0



3. Antiblock

Code	Application	Description	Dosing %
AB 06001 PP	Sheets	10 % synthetic silica with 5 µm particle size.	1.0 – 2.0
AB 08020 LD	Sheets	Standard natural silica.	1.0 – 2.0

4. Antistatic

Code	Application	Description	Dosing %
AT 04139 PP	Pipes, sheets	Amine-free for short- and long-term antistatic effect.	1.0 – 6.0
AT 04673 LD	Pipes, sheets	Amine-free for short- and long-term antistatic effect. Effective at low humidity level.	1.0 – 6.0
AT 04017 LD	Foam	For short-term antistatic effect. For cell stabilization in foams.	1.0 – 2.0

5. Matt

Code	Application	Description	Dosing %
MAT 02450	Sheet	Thermal stable matte compound with higher MFR.	100.0
MAT 02490	Sheets	Low sealing matte compound with higher MFR.	100.0
MAT 02440	Sheets	Low sealing matte compound with lower MFR.	100.0

6. Peel

Code	Application	Description	Dosing %
CONPEEL 308 PP	Sheets	For printed and colored sheets; peel force 8 – 10 N/15 mm.	100.0
CONPEEL 370 PP	Sheets	For transparent, printed and colored sheets; peel force 4 – 8 N/15 mm.	100.0

7. Antioxidants

Code	Application	Description	Dosing %
ST 03003 PP	Pipes, sheets	For processing and long-term heat stabilization, in particular water pipes, machine shut-down, rework.	0.5 – 10.0
ST 03040 LD	Pipes, sheets	For processing and long-term heat stabilization, machine shut-down, rework.	1.0 – 3.0
ST 03001 LD	Pipes	For long-term heat stabilization.	1.0 – 3.0

8. White

Code	Application	Description	Dosing %
CC 18162 PP	Pipes, Sheets, Foams	60 % Titanium dioxide.	2.0 – 25.0
CC 12720 LD	Pipes, Sheets, Foams	70 % Titanium dioxide.	1.0 – 20.0

9. Processing Aid

Code	Application	Description	Dosing %
PA 00833 LD	Pipes, Sheets	Reduces die build-up and extruder pressure; improves surface quality.	0.5 – 4.0
PA 00852 PP	Pipes, Sheets	Reduces die build-up and extruder pressure especially at very high melt temperatures up to 310 °C.	1.0 – 5.0



Kafrit assumes full responsibility for its products, keeps its word on delivery and lead times and has an excellent reputation.

10. Polymer Modification

Code	Application	Description	Dosing %
CON-Batch 30X	Sheets	For thermoforming sheets. Allows downgauging of up to 30% of total thickness while retaining its mechanical integrity; improves mechanical, opticals and barrier properties; improves carbon footprint.	4.0 – 20.0

11. Nucleating

Code	Application	Description	Dosing %
NC 00602 PP	Sheets	Clarifier for improved optical and mechanical properties.	1.0 – 2.5
NC 00625 LD	Foam	Nucleating agent and cell stabilizer.	2.0 – 6.0

12. Slip

Code	Application	Description	Dosing %
CONSLIP 205 HD	Pipes	Permanent slip agent, in particular for inner layers of cable ducts.	0.5 – 10.0
SL 05004 LD	Foam	5% Erucamide.	0.5 – 2.0

13. Purge

Code	Application	Description	Dosing %
PR 00701 LD	Pipes, sheets, foams	Purge compound.	50.0 - 100.0

14. Desiccant

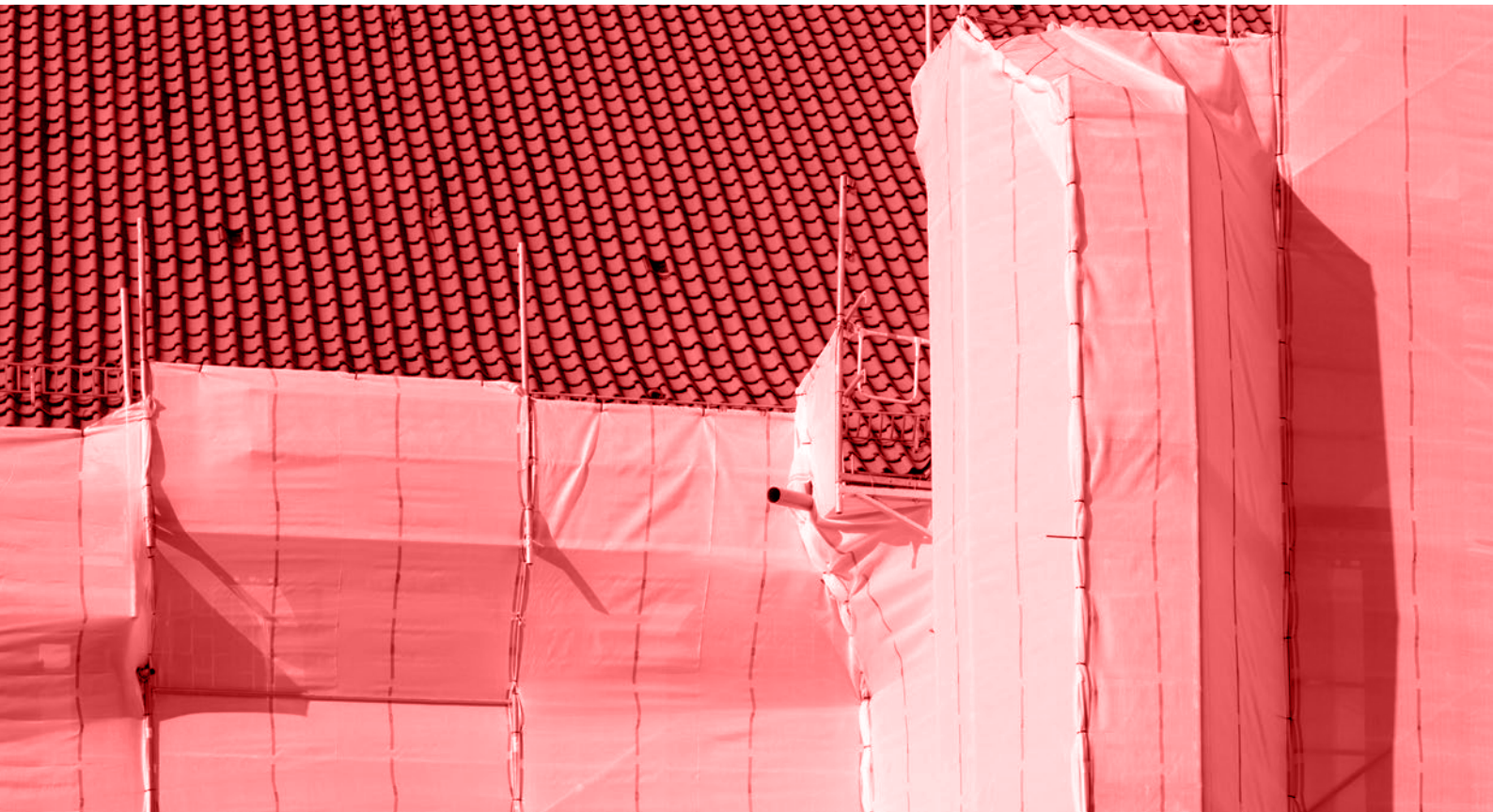
Code	Application	Description	Dosing %
DS 0C64A LD	Pipes, sheets	Prevents moisture bubbles.	1.0 – 6.0

15. UV Absorber


Code	Application	Description	Dosing %
UVA 01034 PP	Sheets	Organic UV absorber for transparent films; protection of light-sensitive goods.	1.0 – 5.0
UVA 01490 LD	Sheets	Non-migrating inorganic UV absorber; protection of light-sensitive goods.	2.0 – 5.0

16. Blowing Agents

Code	Application	Description	Dosing %
Ecocell® L	Foam	Micro cellular patented endothermic solution.	1.5 – 2.5
Ecocell® P	Foam	General purpose for PE, PP, PS.	1.5 – 2.5
Ecocell® H1	Foam	High active for PE, PP, PS.	1.5 – 2.5
Ecocell® GTL-3	Foam	For PET, ABS, PC/ABS, PLA.	1.5 – 2.5
Ecocell® CS	Foam	For sheets, pipes, profiles.	1.5 – 2.5





Please request for further information:


 **BOPP**
Optimizing BOPP film production
with CONSTAB® Masterbatches and Compounds


 **BOPE**
Sustainable solutions for flexible packaging films
with CONSTAB® CON-X® Masterbatches


 **Functionalities: Ecocell® – Lighten up!**
A revolutionary foaming agent
to reduce material and resin consumption


 **Functionalities: Kafrit Group Antioxidants**
Reliable protection for your plastic products


 **Functionalities: Conpeel**
Strong protection, easy peeling
with CONSTAB CONPEEL® Compounds


 **Polyethylene Packaging, Polypropylene Cast
and Calender Films**
Rolling to success with Kafrit Group
Masterbatches and Compounds

 **Polycarbonate and PMMA Sheets**
for a transparent view with Kafrit Masterbatches
and Compounds

 **Pipes and Sheets**
Customized solutions with Kafrit Group
Masterbatches and Compounds

 **Injection Molding, Blow Molding**
Injecting new ideas into your products with
Kafrit Group Masterbatches and Compounds

 **Nonwovens**
Adding value to Fibers and Nonwovens
with Kafrit Group Masterbatches

 **Agricultural Film**
Growing success with Kafrit Group
Masterbatches and Compounds



Global supply, local partnership:
We are where you are.



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