

Rolling to success with Kafrit Group Masterbatches and Compounds

Polyethylene Packaging Polypropylene Cast and Calender Films







Kafrit Group is a leading producer of Masterbatches and Compounds for the plastics industry and currently employs more than 800 people. In 2024, the Group achieved ~350 million \$ turnover with an available capacity of more than 165,000 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. and Badger Color Concentrates Inc.

in the USA, the Canada-based Kafrit NA Ltd. and ABSA Resin

Technologies Inc., Addvanze AB in Sweden and 51% of Plastics
App in Israel. 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.



Our Purpose

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.







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.



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.

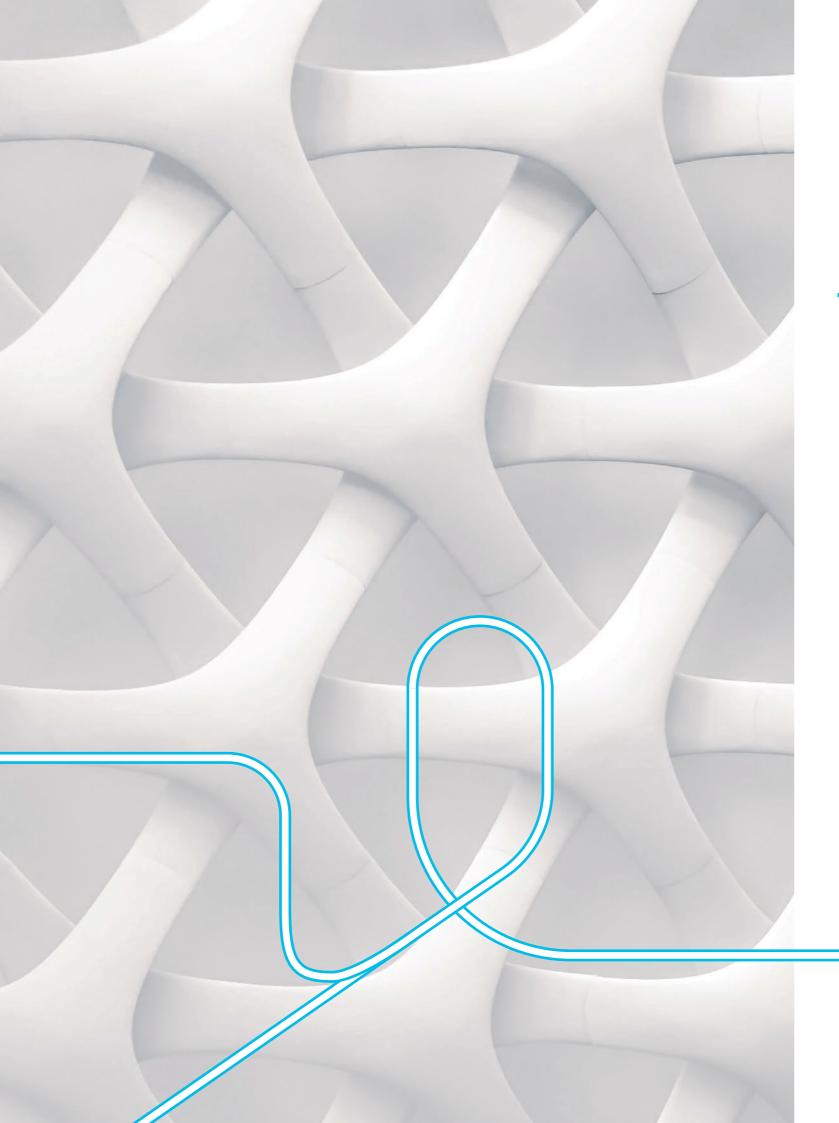
TECHNOLOGY

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 has always been a key area of our expertise. Kafrit Group employs a staff of more than 800 people who work on innovative products an make use of our vast pool of knowledge developed over 50 years in the plastics industry. Our experts optimize and develop additive concentrates, flame retardants, color concentrates, and compounds for various applications.

Kafrit Group enjoys a close partnership with renowned research institutions such as the Shenkar University in Israel and various universities in Germany. Moreover, we maintain a strong cooperation with well-known suppliers including machine manufacturers who recommend our products for use in combination with their machines.

Masterbatches and compounds for Polyethylene and Polypropylene Packaging

Kafrit Group Masterbatches and Compounds for the production of cast-, calandered- and blown films ensure customized packagings.

No matter which process you use to produce the film: Kafrit Group masterbatches and compounds provide the desired properties for your final product. This applies both in the field of food packaging as well as for the use as a barrier film or in the area of hygienics.

We offer a broad and finely tuned range of masterbatches for polyethylene and polypropylene films:

- Bubble Film
- Electronic Packaging Film
- Injection- and Extrusion-Blow Molding
- Foamed Films
- Films for Food Packaging
- Greenhouse Films
- Film Packaging for Industrial- and Food Sectors
- Industrial Films
- Industrial Packaging Films

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



Polyethylene

1. Antiblock

Industrial and Food Packaging Film

Code	Description	Dosing %
AB 06253 LD	10% spherical antiblock, for example: low scratch, metallizable, permanent slip properties.	1.0 – 4.0
AB 06114 LD	20% fine natural silica.	0.5-2.5
AB 08020 LD	20% standard natural silica.	1.0 – 5.0
AB 06111 LD	20% synthetic silica with 10 μm particle size, LLDPE-carrier.	0.5-1.5
AB 0K630 LD	70% purified silica, crystalline free.	1.0-2.0
AB 06001 LD AB 0F210 LL	High Quality PE-Film; 10% synthetic silica with 5 µm particle size.	1.0 – 2.5
AB 06157 LD	Organic antiblock. Provides good antiblock effect when processing plastomers.	1.0 – 3.0

2. Slip

Industrial and Food Packaging Film

Code	Description	Dosing%
SL 05004 LD SL 07950 LD	5% of highly purified erucamide slip additive (migrating).	0.5-2.0
SL 05077 LD	Permanent slip agent to be used in skin layers only; excellent printing properties (non-migrating).	3.0 – 7.0
SL 0A864 LD	Hot Slip Masterbatch. Especially designed for low COF properties at elevated temperatures.	2.0 - 6.0
SL 0C600 LD	Combined slip agent for short and long term effect.	1.0-3.0

3. Slip Antiblock

Industrial and Food Packaging Film

Code	Description	Dosing%
SAB 0656A EVA	Slip Antiblock combi-masterbatch, that acts as Anti Stick in extruded blown and cast films. Prevents sticking of films to hot surfaces and prevents fusion of EVA shrink hoods. Suitable for film with high VAcontent.	1.0 – 5.0
SAB 0C430 EVA	Slip and AB for compatible film for rubber industries – processing in banbury or kneaders.	1.0 - 6.0

Code	Description	Dosing%
SAB 06569 LD	Synergistic combination of additives; provides balanced antiblocking and fast slip properties when processing mLLDPE, plastomers or PEcopolymers; avoids screw slip and blooming; provides excellent printing and sealing properties in comparison to oleamide or erucamide.	1.0 – 3.0
SAB 06509 LD	5% purified erucamide slip additive and 5% synthetic silica.	1.0 – 4.0
SAB 06603 LD	2% erucamide and 10% natural silica; provides balanced antiblocking and fast slip properties.	1.0 – 4.0
SAB 06589 LD SAB 0C720 LD	5% erucamide and 10% natural silica; provides balanced antiblocking and fast slip properties.	1.0 – 2.0

4. Antistatic

Industrial and Food Packaging Film

Code	Description	Dosing%
AT 0B790 LL	Fast start up and long lasting antistatic effect.	1.0 – 5.0
AT 04096 LD	For long-term antistatic effect.	1.0 - 6.0
AT 04673 LD AT 07560 LD	Amine-free for short- and long-term antistatic effect at low humidity levels.	1.0 - 6.0
AT 08460 LD	Long-term – reduces dust pick-up, static charge and surface resistivity of polyolefine articles during processing, wind-up and conveying.	1.0 – 4.0
AT 04151 LD	For short- and long-term antistatic effect.	1.0 - 6.0
AT 04131 LD AT 00U11 LD	Amine-free for short- and long-term antistatic effect at very low humidity levels.	1.0 – 3.0
AT 04139 LD	Amine-free for short- and long-term antistatic effect.	1.0 - 6.0

Electronic Packaging Film

Code	Description	Dosing%
AT 50472 LD	Amine-free – reduces dust pick-up, static charge. For electronic devices packaging. Pink color.	2.0-8.0
AT 04673 LD AT 07560 LD	Amine-free for short- and long-term antistatic effect at low humidity levels.	1.0 – 6.0
AT 04131 LD AT 00U11 LD	Amine-free for short- and long-term antistatic effect at very low humidity levels.	1.0 – 3.0

5. Processing Aid

Industrial and Food Packaging Film

Code	Description	Dosing%
PA 07720 LL	General purpose – improves the extrusion of polyolefins.	0.5-2.0
PA 01970 LL	Improves the extrusion of polyolefins in terms of melt fracture; improving film clarity; improves gloss; better surface appearance; reduces die pressure and consumed power; lower processing temperature	0.5-2.0
PA 00809 LD	Eliminates melt fracture; reduces die build-up and extruder pressure; for blown film below 235 $^{\circ}\text{C}.$	0.5 – 4.0
PA 00833 LD	Eliminates melt fracture; reduces die build-up and extruder pressure; suitable up to 280°C processing temperatures.	0.5 – 4.0
PA 00856 LD	Eliminates melt fracture and reduces die build-up, gel formulation and extruder pressure; very efficient in metallocene PE; 2nd generation PPA.	0.5 - 2.5
PA 00S08 LL PA and AO	Reduces die build up, prevents gel formation with improved AO package.	0.5 – 2.0

6. Color

Industrial and Food Packaging Film

Code	Description	Dosing%
CC 12720 LD WHITE	70% Titanium dioxide.	1.0 – 20.0
CC 11250 LL	70% Titanium dioxide for outdoor applications.	1.0 - 20.0
CB 14350 LD	Titanium dioxide combined with antistatic agent.	1.0 - 20.0

7. Antifog

Food Packaging Film

Code	Description	Dosing%
AF 00260 LD AF 00T14C LD	Antifog for cold fog application, applicable in laminated multilayer barrier film, also suitable for double bubble process.	8.0 – 12.0
AF 002521 LD	Antifog for cold- and hot-fog application. Very effective antifog masterbatch.	8.0 – 12.0
AF 00266 LL	For cold- and hot-fog application for very transparent films.	10.0 – 15.0

8. Antistick

Code	Description	Dosing%
SAB 06573 LD	Antistick and Antifusion – suitable for use in extruded blown films and cast films; prevents sticking of films to hot surfaces.	1.0-12.0
SAB 00269 EVA Antifusion and Antistick	Prevents sticking of films to the packed goods - eliminates "shrink to shrink" sticking.	2.0 – 12.0
SL 05018 LD	Antistick and Antifusion – suitable for use in extruded blown films and cast films, mild effect.	1.0 – 12.0



9. Antioxidant

Industrial and Food Packaging Film

Code	Description	Dosing %
ST 04400 LL	Reduces formation of gels and burned spots and strongly recommended for use in recycled polymers.	1.0 – 5.0
ST 03003 LD	Synergistic combination of antioxidants; improvement of the processing and long-term heat stabilization; rework of trimmings and other film scrap (recycling); stabilization of the polymer during shut downs of the extrusion process.	0.5-1.5
ST 03040 LD	Improves heat stability during production: Prevents changes in melt flow index and reduces gel formation.	1.0 – 3.0
ST 06341 LD	Improves OIT test, strongly recommended for use in recycled polymers.	1.0 - 5.0
ST 00S53 LL	Phenol free Antioxidant, process stabilizer.	0.5-1.5

10. Antislip

Industrial and Food Packaging Film

Code	Description	Dosing%
AS 04820 LD	Mild roughness surface. Prevents slippage of plastic surfaces by creation of surface roughness with natural additives.	2.0 - 15.0
AS 08320 LD	Rough surface. Prevents slippage of plastic surfaces by creation of surface roughness with polymeric additives.	3.0 – 10.0

11. Desiccant

Industrial and Food Packaging Film

Code	Description	Dosing%
DS 0C64B LD	Moisture elimination during production.	1.0-6.0

12. Nucleator

Industrial Packaging Film

Code	Description	Dosing%
NC 00611 LL	Nucleator for high crystallinity PE-applications: improved shrinkage, tensile and barrier properties in HDPE films.	1.0 – 4.0

13. Flame Retardant

Industrial Packaging Film

Code	Description	Dosing%
FR 07177 LD	Chlorinated flame retardant masterbatch. Provides flame retardancy according FMVSS 302, UL-94, DIN 4102-1, EN 13501-1.	3.0 – 20.0
FR 07180 LD	Brominated flame retardant masterbatch. Provides flame retardancy according FMVSS 302, UL-94, DIN 4102-1, EN 13501-1.	3.0 – 20.0
ZHFR 07175 LD	Zero halogen flame retardant masterbatch. Provides flame retardancy according FMVSS 302, UL-94, DIN 4102-1, EN 13501-1.	2.0 – 12.0
ZHFR 07179 UNI	Zero halogen flame retardant. Provides flame retardancy according NF P 92-503 including NF P 92-504, NF P 92-505 for classification M1 to M4.	10.0 – 18.0
FR 0K580 LL	Halogen-free flame retardant masterbatch, FMVSS 302, UL94, DIN 4102 B2, EN 13501-1. FR +UV stabilizer system, fibers and films , high transparency (PE/PP).	3.0 – 7.0

14. Purge

Code	Description	Dosing%
PR 00701 LD	Synergistic combination of additives; used to clean extrusion lines and tools due to chemical and mechanical effects.	50.0 – 100.0

15. UV

HALS and UVA for Industrial and Food Packaging Film

Code	Description	Dosing%
UV 01494 LD	Synergistic blend of hindered amine light stabilizers (HALS) with UV-Absorber.	1.0 - 5.0

HALS and Filler for Industrial and Food Packaging Film

Code	Description	Dosing%
UV 01122 LD	Cost effective combination of hindered amine light stabilizer and inorganic filler.	2.0 – 7.0

HALS for Industrial and Food Packaging Film

Code	Description	Dosing %
UV 01020 LD	Hindered amine light stabilizer (HALS), basic UV-stabilization, preferred for black coloured films.	2.0 – 10.0
UV 01255 LD	Hindered amine light stabilizer (HALS), reference product, synergistic blend of stabilizers.	1.5-8.0
UV 01370 LD	High performance hindered amine light stabilizer (HALS) for thin films and demanding industrial outdoor applications, colored films.	1.0 - 5.0
UV 0J670 LD	UV masterbatch, low die build-up, for thin films, tapes & fibers.	1.0-5.0
UV 09220 LD	Hindered amine light stabilizer.	1.0 – 5.0
UV 04630 LD	Synergistic blend of hindered amine light stabilizers, reference product.	1.0-6.0
UV 0A090 LD	UV stabilizer for thin protective films with low migration and increased chemical stability.	1.0 – 5.0

UV Absorber for Industrial and Food Packaging Film

Code	Description	Dosing%
UVA 01584 LL	Organic UV absorber for transparent films (migrating); protection of light-sensitive goods.	1.0 - 5.0
UVA 01490 LD	Inorganic UV absorber (non-migrating); protection of light-sensitive goods.	2.0 – 5.0
UVA 00735 LD	Synergistic UV-absorber for thin films, protection of light sensitive-goods.	2.0-15.0

16. Barrier

Industrial and Food Packaging Film

Code	Description	Dosing%
BR 02017 LL	Improves the barrier properties of PE-films, lowers melt viscosity, increases film stiffness.	5.0 – 20.0

17. Specialties

Industrial and Food Packaging Film

Code	Description	Dosing%
MAP 00737 LL	Prevents fungi growth on polymer surface	4.0 - 26.0

18. PFAS-free

Code	Description	Dosing%
PA 00823 LD	PFAS-free for elevated melt temperatures, e.g. blown- and castfilm extrusion.	1.0-3.0
PA 00893 LD	PFAS-free for blownfilm extrusion up to 235 °C melt temperature, improved version.	1.0 – 3.0
PA 00899 LD	PFAS-free for blownfilm extrusion up to 235 °C melt temperature, standard version.	1.0-3.0



Polypropylene

1. Antiblock

Industrial and Food Packaging Film

Code	Description	Dosing %
AB 06019 PP	5% synthetic silica with 5 μm particle size.	1.0 – 4.0
AB 06001 PP	10% synthetic silica with 5 µm particle size.	1.0 – 2.0
AB 06064 PPR	5% organic spherical antiblocking agent for high transparency films.	2.0 - 5.0
AB 06089 PPR	6% inorganic spherical antiblocking agent for metallizable films.	2.0 – 5.0

2. Slip

Industrial and Food Packaging Film

Code	Description	Dosing %
SL 05035 PP	6% erucamide.	0.5-2.0
CONSLIP® 201 PPR	Permanent slip agent.	3.0-7.0

3. Slip Antiblock

Industrial and Food Packaging Film

Code	Description	Dosing %
SAB 06527 PPR	5% synthetic silica 5 μm and 5% erucamide.	1.0 – 4.0
CONSLIP® 440 PPR	Permanent slip and organic antiblocking agent.	3.0 – 10.0

4. Antistatic

Industrial and Food Packaging Film

Code	Description	Dosing %
AT 04145 PP	For long-term antistatic effect.	1.0 - 6.0
AT 04143 PP	For short- and long-term antistatic effect.	1.0 - 6.0
AT 04139 PP	Amine-free for short- and long-term antistatic effect.	1.0-6.0

5. Slip Antistatic

Industrial and Food Packaging Film

Code	Description	Dosing%
SAT 04509 PP	For short- and long-term antistatic effect, with erucamide.	1.0 - 5.0

6. Processing Aid

Industrial and Food Packaging Film

Code	Description	Dosing%
PA 00833 PP	Reduces die build-up and extruder pressure; improves surface quality.	0.5-3.0
PA 0K060 PP	Reduces die build-up and improved processing in cast PP.	1.0 - 5.0

7. Color

Industrial and Food Packaging Film

Code	Description	Dosing%
CC 18160 PP	60% Titanium dioxide.	2.0 – 25.0
CC 18170 PP	70% Titanium dioxide.	1.0 – 20.0

8. Antifog

Industrial and Food Packaging Film

Code	Description	Dosing%
AF 00280 PPR	For cold- and hot-fog application.	5.0 – 20.0

9. Antioxidant

Code	Description	Dosing%
ST 03009 PP	For processing and long-term heat stabilization, machine shut-down, rework.	0.5 – 10.0

10. Nucleating Agent

Industrial and Food Packaging Film

Code	Description	Dosing%
NC 00607 PP	Clarifier for improved optical and mechanical properties.	1.0-2.5

11. Peel Compound

Industrial and Food Packaging Film

Code	Description	Dosing %
CONPEEL® 304 PP	For transparent, printed and colored films; peel force 4 – 6 N/15 mm	100.0
CONPEEL® 308 PP	For printed and colored films; peel force 8 – 10 N/15 mm.	100.0
CONPEEL® 300 PP	For transparent, printed and colored films; peel force 3 – 6 N/15 mm.	100.0
CONPEEL® 370 PP	For transparent, printed and colored films; peel force 4 – 8 N/15 mm.	100.0
CONPEEL® 321 PP	For printed and colored films with sealing; peel force 6 – 14 N/15 mm.	100.0
CONPEEL® 339 PP	For transparent, printed and colored films for low sealing temperatures; peel force 1 – 6 N/15 mm.	

12. Barrier

Industrial and Food Packaging Film

Code	Description	Dosing %
BR 02017 PP	Improved barrier against oxygen and water vapour, increased stiffness and gloss, lower melt viscosity.	5.0 – 20.0

13. Polymer Modification

Industrial Film

Code	Description	Dosing%
CON-BATCH 30X	For thermoforming film. 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

14. Flame Retardant

Industrial Film

Code	Description	Dosing%
HFFR 00242 PP	Halogen-free flame retardant masterbatch.	3.5-8.0

15. UV

Code	Description	Dosing%
UV 01022 PP	Hindered amine light stabilizer.	0.5 – 5.0
UV 01370 PP	High performance hindered amine light stabilizer for thin films and demanding industrial outdoor applications, colored films.	1.0 – 5.0



Polyamide

1. Antiblock

Industrial and Food Packaging Film

Code	Description	Dosing%
AB 060126 PA	Synthetic silica, high quality dispersion.	1.0-6.0

2. Antioxidant

Industrial and Food Packaging Film

Code	Description	Dosing %
ST 00T21 PA	Heat stabilizer for polyamide films.	1.0-8.0

3. Antifog

Industrial and Food Packaging Film

Code	Description	Dosing %
AF 00T46A LD	Unique AF suitable for Polyamide films, hot and cold applications.	8.0 – 12.0

PE/PP

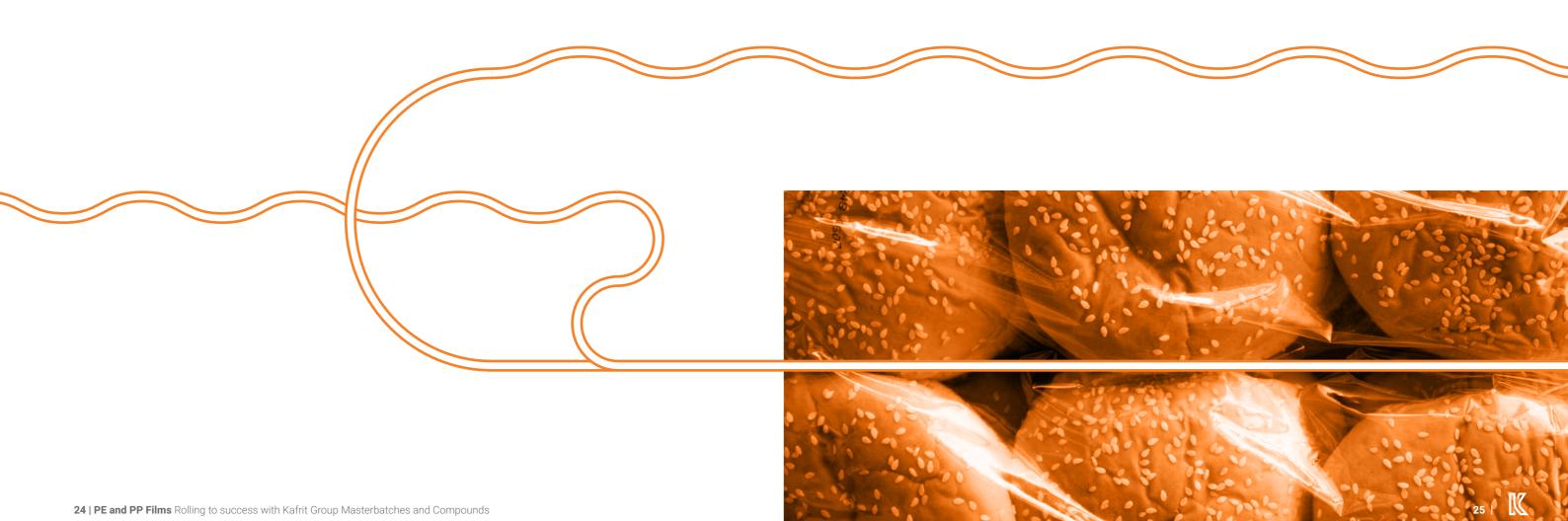
1. Recycle

Industrial and Food Packaging Film

Code	Description	Dosing%
GAC-10003	Gas and odour absorbing for polyolefins, for example waste bags, recycling etc.	2.0 - 8.0
ONC-1000 PBLL-1	Odour neutralizing, is specially engineered to neutralize hydrogen sulfides (H2S) and amine based molecules.	2.0-8.0

2. Foaming

Code	Description	Dosing%
Ecocell® P	General purpose for PA, PE, PP, PS.	1.0-2.5
FM 00957 LD	Endothermic foaming agent for a sensity reduction. Thermal insulation.	1.0 – 4.0





Please request for further information:



Optimizing BOPP film production with CONSTAB GER® Masterbatches and Compounds



Sustainable solutions for flexible packaging films with CONSTAB GER® 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



Flame Retardants

Enlightening solutions with Kafrit Group Masterbatches and 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



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.





















Kafrit Industries (1993) Ltd.

Kibbutz Kfar-Aza, M.P. Negev, 8514200, Israel Tel: +972 8 6809845 | Fax: +972 8 6809846 kafrit@kafrit.co.il | www.kafrit.com

CONSTAB Polyolefin Additives GmbH

Industriestrasse Möhnetal 16, 59602 Rüthen, Germany Tel: +49 2952 8190 | Fax: +49 2952 3140 info@constab.com | www.constab.com

Suzhou Constab Engineering Plastics Co., Ltd.

No. 999 Pangjin Road, Wujiang District, Suzhou City 215200, Jiangsu Province, P.R.C. Tel: +86 512 63 33 16 54 | Fax: +86 512 63 33 69 87 info@constab.cn | www.constab.cn

Kafrit NA Ltd.

5411-275th Street, Langley, British Columbia, Canada, V4W 3X8 Tel: +604 607 6730 | Fax: +604 607 6736 management@kafrit.ca | www.kafrit.ca

Polyfil Inc.

74 Green Pond Road, P.O. Box 130, Rockaway, NJ 07866, USA Tel: 973-627-4070 | Fax: 973-627-7344 info@polyfilinc.com | www.polyfilinc.com

Addvanze AB

Makadamgatan 19, 254 64 Helsingborg, Sweden Tel: +46 42 445 33 00 info@addvanze.com | www.addvanze.com

DELTA KUNSTSTOFFE AG

Industriestrasse 48, 47652 Weeze, Germany Tel: +49 28 37 10 510 info@delta-kunststoffe.de | www.delta-kunststoffe.de

ABSA Resin Technologies Inc.

310 Montrose St. Cambridge, ON, Canada, N3H 2H8 Tel.: +1 519 653 5575 www.absaresins.com

Badger Color Concentrates Inc.

1007 Fox St. Mukwonago WI 53149, USA Tel.: +1 262 363 5710 www.badgercolor.com

Plastics App Ltd.

Kibbutz Megiddo 1923000, Israel info@plastics-app.com | www. plastics-app.com





















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