Innovate, Develop, and Add Value to Plastics

Functional Additive Solutions

POLYFIL USA

Working together for the future of plastics.

Kafrit Group

Kafrit Group is a leading producer of Masterbatches and Compounds for the plastics industry and currently employs more than 1,000 people. In 2025, we achieved approx. 400 million USD turnover with an available capacity of more than 175,000 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 is a global network of leading plastics additive, color masterbatch and compound manufacturers, operating production and development sites in Israel, Germany, China, the USA, Canada, Sweden and India.

Its companies include **Kafrit Industries (1993) Ltd. in Israel, CONSTAB Polyolefin Additives GmbH, Delta Kunststoffe AG and Finke Colors GmbH 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, CONSTAB Polyolefin Additives India Pvt. Ltd. and 51 % of Plastics App Ltd.in Israel.**

With more than 50 years of experience in the plastics processing industry, we can draw on high levels of expertise and technical know-how. Kafrit Group follows a publicly available sustainability agenda and has made it to one of the cornerstones of our corporate strategy.

Our unbridled dedication to quality and technology makes us to one of the leading business partners in the plastics industry. Our customers value our passion and appreciate our 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.

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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 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?

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 1,000 people who work on innovative products and 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 co-operation with well-known suppliers including machine manufacturers who recommend our products for use in combination with their machines.

Polyethylene / Polypropylene

1. Slip

1.1 Fast Blooming

Code	Description
FSC-0500	Oleamide Slip

1.2 Slow Blooming

Code	Description
SSC-0100	Erucamide Slip
SSC-0200	Erucamide Slip
SSC-0500	Erucamide Slip
SSC-0500HS	High Stability Slip
SSC-0500HT	Special Slip for Microwavable and Cook-in Applications
SSC-0500PP	Erucamide Slip in Polypropylene

1.3 Non Blooming

Code	Description
NBSC-0001	Siloxane Slip
NBSC-0002	Siloxane Slip
NBSC-0003PP	Siloxane Slip for PP

1.4 Specialty Slip

Code	Description
SSC-0500LAM	Lamination Grade Slip for Steady COF requirements
SSC-0500SE	Slip for Extrusion Coating as well as Medium/Controlled COF Applications

2. Antiblock

2.1 DE/Silica

Code	Description
ABC-2000	Diatomaceous Earth
ABC-5000	Diatomaceous Earth

2.2 High Clarity Mineral

Code	Description
ABC-2000HC	High Clarity Antiblock
ABC-2500HC	High Clarity Antiblock
ABC-5000HC	High Clarity Antiblock
ABC-5000HT-2	Large Particle High Clarity Antiblock
ABC-5500HC	High Clarity Antiblock

2.3 Specialty Antiblocks

Code	Description
ABC-0205B	Organic Scratch-free Antiblock
ABC-0500B	Organic Scratch-free Antiblock
FSABC-0205B	Organic Scratch-free Slip/Antiblock
ABC-2000HT	Special Antiblock for Microwavable and Cook-in Applications
ABC-1500-41	Synthetic Silica-based Antiblock
ABC-5000PB	Talc Concentrate
ABC-2000S4M	Foaming Collar Talc Antibloc
ABC-1000HCSLL	Synthetic Silica Antiblock

3. Release Agents

3.1 DE/Silica

Code	Description
RAC-0500	Release Agent Concentrate
RAC-1000E2	Release Agent Concentrate
RAC-1000NRs	Release Agent Concentrate

4 Antistatic

4.1 Non Amine

Code	Description
NSC-0508-1	Non-Amine Antistat

4.2 Non Amine/Non Amide

Code	Description
ANC-0500	Non-amine, Non-amide Antistatic
ANC-1000	Non-amine, Non-amide Antistatic
ANC-1011PP	Non-amine, Non-amide Antistatic in Polypropylene

4.3 Amine

Code	Description
NSC-2375	High Purity Amine Antistat

4.4 GMS

Code	Description
GNSC-1000	Antistat/Release Agent
GNSC-2000-1	Antistat/Release Agent
GNSC-2030LL	Antistat/Release Agent/AB Combo

5. UV Products

Code	Description
UVB-0500ZX	UV Blocker Concentrate
UVC-0210-7	High Performance Synergistic UV/AO Combo
UVC-1000-18	Unique UV Stabilizer for Kraton
UVC-1002LL-1	UV Stabilizer Concentrate
UVC-1078	UV Stabilizer Concentrate
UVC-1094PP	UV Stabilizer for PP Concentrate
UVC-1000R	High Performance UV Stabilizer Concentrate

6. Antioxidants

Code	Description
AOC-0007	High Performance Repro Stabilizer
AOC-0510	Antioxidant Concentrate
AOC-1068	Antioxidant Concentrate
AOC-1076	Antioxidant Concentrate
BAOC-1000	BHT Concentrate

7. Scavengers / Absorbers / Neutralizers

Code	Description
ONC-1000PBLL-1	Odor Neutralizer Concentrate
GAC-1000-3	Gas Absorber Concentrate

8. Antifogs

Code	Description
AFC-1000LL	Antifog
AFC-1001	Antifog
AFC-1005PP	Specialty Antifog in Polypropylene

9. Antimicrobials

Code	Description
AMC-500	High Performance Antimicrobial Concentrate

10. Talcs / Mineral Fillers

Code	Description
ABC-1000PB	Talc Concentrate
ABC-2000PB	Talc Concentrate
ABC-2500PB	Talc Concentrate
ABC-5000PB	Talc Concentrate
ABC-5000PBMA	Talc Concentrate
MT-5000	Talc Concentrate

11. PE and PP Clarifiers / Nucleators

Code	Description
PCC-1000X8	PP Nucleator Concentrate
PCC-1000X9	PP Nucleator Concentrate
PHC-0001	Nucleator Concentrate
PHC-0001HD	Nucleator Concentrate

12. Processing Aid

12.1 Flouro-based Processing Aids

Code	Description
PAC-0001-21LL	Processing Aid Concentrate
PAC-0300LL-2	Processing Aid Concentrate
PAC-0001LL-5	Processing Aid Concentrate
PAC-0321LL	Processing Aid Concentrate

12.2 PFAS-NIA Processing Aids

PAC-0025FFLL-MWZ	PFAS-NIA Processing Aid Concentrate
PAC-0005FFLL-MWZ	PFAS-NIA Processing Aid Concentrate
PAC-0001FFLL-SP	PFAS-NIA Processing Aid Concentrate
PAC-0001FFLL-SPL	PFAS-NIA Processing Aid Concentrate

13. PIB Tackifier / Cling Masterbatches

Code	Description
PIB-6000C	PIB Concentrate
PIB-6000TK	PIB Concentrate

14. Purge / Shutdown Compounds

Code	Description
HDAB	Purge/Flushing Compound
PRC-1025	Purge/Shutdown Compound
PRC-2525MD	Purge/Shutdown Compound

Custom-made Solutions

Please contact us to learn more about our ability to make custom formulated concentrates to meet your needs.

Polyfil has state-of-the-art machinery and advanced analytical instruments that provide continuous quality control and consistency in our long-term production processes and products.

As a technology service expert, Polyfil provides R&D and Analytical Capabilities to help our customers during the product development stage by helping them find solutions needed for process improvement and product quality.

Our in-house Process Lab & Physical Globally and Analytical capabilities are available to assist our customers. Additionally, These services can be conducted globally in conjunction with other members of the Kafrit Group.

Our in-house capabilities include:

Physical Testing Lab

- Coefficient of friction
- Static Decay and Surface Resistivity
- Optical microscopes
- Capillary rheology
- Antifog: Cold and Hot Fog testing

Process Lab

- Twin and single screw extruders
- Banbury mixers
- Monolayer blown film lines
- Monolayer Cast Film/Sheet Line

Analytical Lab

- Fourier Transform Infrared Spectrometer
- Moisture analyzer
- Elemental Nitrogen Analyzer
- And Other Analytical Equipment

We supply our products packaged into bags, gaylords, bulk sacks, bulk trucks, and hopper cars.
Also, we can provide plastic liners, foil liners, etc.

About

Polyfil, Inc. – A member of the Kafrit Group

Polyfil, Inc. began operations in 1984. It is ISO 9001 certified and is the largest independent manufacturer focusing solely on the development and production of performance enhancing additive concentrates for polyolefins. Besides Ecocell® and foaming agents, its product line includes multi-functional additive concentrates, gas and odor absorbers, clarifier/nucleators, UV and AO stabilizers, amine, non-amine and non-amide anti-static agents, mineral filled concentrates, anti-oxidants, purge and shutdown compounds, processing aids, release agents, slip, anti-blocks and custom formulated concentrates.

Polyfil's 60,000 square foot (5.600 m²) manufacturing and laboratory facility is located in Northern New Jersey. This modern facility allows Polyfil, Inc. to produce, affordable, high quality additive concentrates.

Kafrit Group

Please request for further information:

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

BOPE
Innovative solutions for flexible packaging films
with CONSTAB GER® CON-X® Masterbatches

Functionalities: Ecocell® – Lighten up!
An innovative 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

Nonwovens
Adding value to Fibers and Nonwovens
with Kafrit Group Masterbatches

Agricultural Film
Growing success with Kafrit Group
Masterbatches and Compounds

Color and additive masterbatches and conductive compounds made to measure
Customized solutions for your success

New approach to reclosable packaging
Extrudable reclosable adhesive

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

KAFRIT IL

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PLASTICS-APP
If you can imagine it, we can compound it.

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