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

Please request for further information:

- Optimizing BOPP film production with CONSTAB Masterbatches and Compounds
- BOPE – Sustainable solutions for flexible packaging films with CONSTAB® CON-X Masterbatches
- Polyethylene Packaging · Polypropylene Cast and Calender Films Rolling to success with Kafrit Group Masterbatches and Compounds
- Ecocell® – Lighten up! A revolutionary foaming agent to reduce material and resin consumption
- Polycarbonate and PMMA Sheets for a transparent view with Kafrit Masterbatches and Compounds
- Agricultural Film Growing success with Kafrit Group Masterbatches and Compounds
- Pipes and Sheets Customized solutions with Kafrit Group Masterbatches and Compounds
- Kafrit Group Antioxidants Reliable protection for your plastic products
- Strong protection, easy peeling with CONSTAB CONPEEL® Compounds
- Adding value to Fibers and Nonwovens with Kafrit Group Masterbatches
- Packaging your needs PET Masterbatches and Compounds

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Kafrit Group is a leading producer of Masterbatches and Compounds for the plastics industry and currently employs more than 400 people. In 2017, the Group achieved 216 million $ turnover with an available capacity of more than 82,000 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 in Germany, China’s Suzhou Constab Engineering Plastics Co. LTD, Polyfil Inc. in the USA and the Canada-based Kafrit NA Ltd. With nearly 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. Along with many other products, the Kafrit Group supplies the following Masterbatches and Compounds:

- Acid Scavenger
- Antiblock
- Antidust
- Antifog
- Antiglare
- Anti-Slippage
- Antimist
- Antioxidant
- Antislip
- Antiflame
- Antistatic
- Barrier MB
- Cavitating Agent
- Color Concentrate
- Ecocell®
- Flame Retardant
- Filter
- Foaming Agent
- FR Absorber
- Matting Agent
- Matting Stabilizer
- Lubricant
- Matting Agent
- Metal Deactivator
- Modifier
- Nucleating Agent
- Optical Brightener
- Paper-Ike
- Compound
- Peel Compound
- Processing Aid
- Purge Agent
- Release Agent
- Slip-Antiblock
- Slip-Anti-fog
- Slip-Pulse
- Slip Agent
- Tracer MB
- UV Absorber
- UV Blocker
- White Masterbatch
- White Cavitaled

Defining new production goals:
Experience the new high performance products.

Kafrit Group is a preferred technological partner of the plastics industry by continually supplying our global customers with innovative and high quality solutions that are fitted to their specific needs.
Individually tailored at your demands:

**High-performance Masterbatches to match even ambitious requirements.**

Injection molding is a specialized process that can be performed with a host of different polymers. It is a process where plastic is fed through a heated barrel and then forced into a hollow mold. Inside the mold, the plastic cools down and hardens to the form of the cavity. Plastics that are subjected to injection molding must be meticulously designed to facilitate the molding process.

In this context, Kafrit Group Masterbatches are very useful since they serve as additives for obtaining optimal production qualities such as color consistency. More specifically, we offer high-performance Masterbatches that are specifically designed for injection molding processes. The products we provide will ensure the desired quality characteristics and are tailored to your own individual demands.

The blow molding manufacturing process subjects plastic particles to a lot of strain. During the process, the plastic is melted down and then goes through complex forming and cooling procedures until it is eventually ejected as a finished part.

In order to obtain a final product with the desired characteristics, you will require the fine-tuning capabilities of Masterbatches. Depending on your individual requirements, we offer suitable and innovative Masterbatches of the highest quality for all types of blow molding processes including injection molding or extrusion blow molding. Our nucleating agents and cleaning compounds offer additional advantages for quality improvements and will ensure an optimal production process.

### 1. Purge

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR 00701 LD</td>
<td>Cleaning product, PE based.</td>
<td>50.0</td>
</tr>
<tr>
<td>PR 00701 PP</td>
<td>Cleaning product, PP based.</td>
<td>50.0</td>
</tr>
<tr>
<td>PR 04040 LD</td>
<td>Shut down, prevents oxidation to reduce black spot for a faster start up.</td>
<td>10.0–100.0</td>
</tr>
</tbody>
</table>

Faster color change thanks to CONSTAB purge compounds.

### 2. Recycle

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 03003 PP</td>
<td>Start stop and processing stabilizer, prolonged processing heat. Very suitable when regrind is used. PP based.</td>
<td>1.0 – 1.5</td>
</tr>
<tr>
<td>ST 04400 LL</td>
<td>Reduces formation of gels and burned spots. Recommended to use in recycled polymers.</td>
<td>1.0 – 2.0</td>
</tr>
<tr>
<td>DS 0C64B LD</td>
<td>Desiccant. Eliminates moisture during processing.</td>
<td>0.5 – 3.0</td>
</tr>
<tr>
<td>GAC-10003</td>
<td>Gas and odor absorbing for polyolefins.</td>
<td>2.0 – 8.0</td>
</tr>
<tr>
<td>ONC-1000</td>
<td>Odor Neutralizing. Is specially engineered to neutralize hydrogen sulfides (H₂S) and amine based molecules.</td>
<td>2.0 – 8.0</td>
</tr>
</tbody>
</table>

Much of the weight reduction in the automotive industry is achieved through the consistent use of injection molding parts.

### 3. Stabilizer

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST 03023 PP</td>
<td>Automotive test for instance, especially effective in combination with ST 03003 PP-LD.</td>
<td>1.0 – 3.0</td>
</tr>
<tr>
<td>ST 03003 LD</td>
<td>Start stop and processing stabilizer, prolonged processing heat. Very suitable when regrind is used. PE based.</td>
<td>1.0 – 1.5</td>
</tr>
</tbody>
</table>
4. Nucleator/Clarifier

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC 00611 LL</td>
<td>Basic, strong nucleating agent, improves stiffness, filled polymers.</td>
<td>1.5 – 4.0</td>
</tr>
<tr>
<td>NC 00607 PP</td>
<td>Clarifier with extremely low migration.</td>
<td>3.0 – 3.5</td>
</tr>
<tr>
<td>NC 02160 PP</td>
<td>Faster PP crystallization for shorter cycle time, sink mark elimination.</td>
<td>1.0 – 3.0</td>
</tr>
</tbody>
</table>

NC 00607 PP diminishes the effect that pigments have on the shrinkage of injection molded articles. Left side without NC 00607 PP and right side with NC 00607 PP.

5. Mold release

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL 05113 LD</td>
<td>Mold release/flow improver.</td>
<td>0.5 – 2.0</td>
</tr>
<tr>
<td>SL 05113 PP</td>
<td>Mold release/flow improver.</td>
<td>0.5 – 2.0</td>
</tr>
<tr>
<td>SL 0C600 LD</td>
<td>Slip agent, combination for medium and long term effect.</td>
<td>1.0 – 3.0</td>
</tr>
<tr>
<td>SL 03730 LD</td>
<td>Slip agent, high concentrated for medium effect.</td>
<td>1.0 – 3.0</td>
</tr>
<tr>
<td>SAB 06573 LD RELEASE AND ANTISTICK</td>
<td>Mold release.</td>
<td>0.5 – 2.0</td>
</tr>
</tbody>
</table>

6. Antistatic

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>AT 04139 PP</td>
<td>Mold release and Antistatic agent.</td>
<td>1.0 – 6.0</td>
</tr>
<tr>
<td>AT 0B790 LL</td>
<td>Synergistic blend of fast and slow migrating products.</td>
<td>1.0 – 4.0</td>
</tr>
</tbody>
</table>

Do you have floating or sticking cups in your machine? CONSTAB Antistatic Masterbatches prevent this from happening.

7. Color and Special effects

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB 80987A</td>
<td>Wood effect for PP crates, combined with UV.</td>
<td>5.0</td>
</tr>
<tr>
<td>CB 80C98 LL BEIGE &amp; MAGNET &amp; UV</td>
<td>Magnet colors, combined with UV.</td>
<td>5.0</td>
</tr>
<tr>
<td>CB 90750 LL MIST GREY &amp; UV &amp; MAGNET</td>
<td>Magnet colors, combined with UV.</td>
<td>5.0</td>
</tr>
<tr>
<td>CB 80H06 LL BLUE &amp; MAGNET &amp; UV</td>
<td>Magnet colors, combined with UV.</td>
<td>5.0</td>
</tr>
<tr>
<td>CB 80C47 LL BROWN &amp; MAGNET &amp; UV</td>
<td>Magnet colors, combined with UV.</td>
<td>5.0</td>
</tr>
</tbody>
</table>
8. UV

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>UV-Absorber</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>UV 01370 PP</td>
<td>Improved color retention.</td>
<td></td>
<td>1.0 – 5.0</td>
</tr>
<tr>
<td>UV 01255 LD</td>
<td>Basic UV-stabilizer.</td>
<td></td>
<td>1.0 – 5.0</td>
</tr>
<tr>
<td>UV 06250 LL</td>
<td>General purpose UV stabilizer.</td>
<td></td>
<td>2.0 – 6.0</td>
</tr>
<tr>
<td>UV 00990 LL</td>
<td>Highly efficient UV stabilizer.</td>
<td></td>
<td>2.0 – 6.0</td>
</tr>
<tr>
<td>UV 00V34 LL</td>
<td>Synergistic HALS combination for injection molded articles, food approved.</td>
<td></td>
<td>2.0 – 5.0</td>
</tr>
<tr>
<td>UV 01880 LL</td>
<td>High concentrated, for transparent and white injection molded PP articles.</td>
<td></td>
<td>1.0 – 7.0</td>
</tr>
</tbody>
</table>

9. Processing Aid

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA 00833 LD</td>
<td>Processing aid, prevents die build-up and gives a smoother, more glossy surface.</td>
<td>1.0</td>
</tr>
<tr>
<td>PA 00852 PP</td>
<td>Processing aid, prevents die build-up and gives a smoother, more glossy surface.</td>
<td>1.0</td>
</tr>
<tr>
<td>PA 0K060 PP</td>
<td>Processing aid, high temperature.</td>
<td>0.5 – 1.0</td>
</tr>
</tbody>
</table>

10. Barrier

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR 02017 PP</td>
<td>Increases barrier against oxygen and water vapour, lowers melt pressure.</td>
<td>10.0 – 25.0</td>
</tr>
</tbody>
</table>

11. Flame Retardant

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR 07180 LD</td>
<td>Halogenated Flame Retardant.</td>
<td>4.0 – 25.0</td>
</tr>
<tr>
<td>HFFR 00T82 PP</td>
<td>Halogen free Flame Retardant.</td>
<td>2.0 – 15.0</td>
</tr>
<tr>
<td>FR 0244A PP</td>
<td>Halogenated Flame Retardant.</td>
<td>2.0 – 15.0</td>
</tr>
<tr>
<td>HFFR 00228 PP</td>
<td>Halogen free Flame Retardant.</td>
<td>2.0 – 15.0</td>
</tr>
<tr>
<td>FR 04530 PC</td>
<td>Halogen free Flame Retardant.</td>
<td>3.0 – 4.5</td>
</tr>
</tbody>
</table>

12. Foaming

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dosing %</th>
</tr>
</thead>
<tbody>
<tr>
<td>FM 00D41 LD</td>
<td>High concentrated endothermic foaming agent, eliminates sink marks, voids, density reduction.</td>
<td>1.0 – 5.0</td>
</tr>
<tr>
<td>FM 09570 LD</td>
<td>Endothermic foaming agent, eliminates sink marks, voids, density reduction.</td>
<td>1.0 – 5.0</td>
</tr>
<tr>
<td>Ecocell® L</td>
<td>Micro cellular patented endothermic solution.</td>
<td>1.0 – 2.5</td>
</tr>
<tr>
<td>Ecocell® P</td>
<td>General purpose for PE, PP, PS.</td>
<td>1.0 – 2.5</td>
</tr>
<tr>
<td>Ecocell® H1</td>
<td>High active for PE, PP, PS.</td>
<td>1.0 – 2.5</td>
</tr>
<tr>
<td>Ecocell® GTL-3</td>
<td>For PET, ABS, PC/ABS, PLA.</td>
<td>1.0 – 2.5</td>
</tr>
</tbody>
</table>

We develop individual solutions for your requirements. Benefit from our experience and talk to our experts.
Our Values:

Technology: We continue to rely on advanced know-how and technologies, securing our future.

Quality: We warrant our products are produced under strict and advanced quality assurance guidelines.

Safety: We ensure our employees always follow safety procedures.

Environment: We are committed to complying with environmental regulations and promoting environmental responsibilities.

Employees: We value the different ideas, experiences and backgrounds of our employees.

Leadership: We lead by example. We coach, educate and guide our workforce enabling them to achieve their full potential.

Empowerment: We encourage our employees to be innovative, make decisions and take responsibility for their actions.

Teamwork: We strive to work as a team and individuals, reaching our common goals.

Continuous Improvement: We are constantly striving to do the right things even better.

Ethics: We are fair, truthful, and consistent in our business and personal practices.

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

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Giving Life to Plastic

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