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

# Agricultural Film

KAFRIT IL

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.

# 1. Greenhouse Film

## 1.1 UV

| Code | Function | Description |
|---|---|---|
| **UVA 0K231 LD** | UV and UVA | Provides excellent UV stabilization in chemical free environment. |
| **UV 09220 LD** | UV | UV stabilization in chemical free environment, HALS only* |
| **UV 00E82 LD** | UV | Improved agrochemicals resistance, "UV open" for color devlopment of fruits and flowers. |
| **UVA 0J810 LD** | UV and UVA | HALS and UVA, improved resistance to agrochemicals, up to 1200 ppm sulfur. |
| **UVA 00618 LD** | UV and UVA | HALS and UVA, improved resistance to agrochemicals, up to 1500 ppm sulfur. |
| **UVA 00K05 LD** | UV and UVA | HALS and UVA, improved resistance to agrochemicals, up to 2000 ppm sulfur. |
| **UV 0K260 LD** | UV | Very good resistance to agrochemicals, up to 2000 ppm sulfur. "UV open". |
| **UVA 03650 LD** | UVA | UV absorber, blocks UV radiation till 380 nm. Anti Virus effect. |
| **CB 0F140 LD Diffuser and UV** | UV, UVA and IR | Ni quencher based, excellent chemical stability. Anti Virus effect, blocks UV radiation up to 380 nm. Contains thermal IR. |
| **UV 0H470 LD** | UV | Excellent stability to agrochemicals, UV open. |
| **UVA 07010 LD** | UV and UVA | Excellent stability to agrochemicals, up to 3000 ppm sulfur. |
| **UVA 07160 LD** | UV and UVA | Superior stability to agrochemicals, long lasting UVA, up to 5000 ppm sulfur. |
| **UVA 0G15B LD** | UV and UVA | Excellent stability to agrochemicals, up to 4000 ppm sulfur. |
| **UV 00A90 LD** | UVA | Long lasting UV absorber, "bee friendly". |
| **UVA 00A53 LD** | UVA | UV absorber, "bee friendly". |
| **UVA 00743 LD** | UVA | Long lasting UV absorber. |
| **UVA 00V04 LD** | UVA | Persistent UV absorber, boosts UV stabilizer performance. |
| **UVA 00792 LD** | UVA | HALS and UVA, excellent resistance to agrochemical, up to 4000 ppm sulfur. "Bee friendly". |
| **UVA 00362 LD** | UVA | HALS and UVA, excellent resistance to agrochemical, up to 3000 ppm sulfur. "Bee friendly". |
| **UV 00285 LD** | UV | Good chemical resistance, "UV open". |
| **UVA 06820 LD** | UVA | "Colorless". Ni quencher-based, excellent stability to agrochemicals. |
| **UVA 00C75A LD** | UVA | Ni quencher based, excellent stability to agrochemicals. |

* available in more concentrated form. Please contact our sales department for more details.

## 1.2 Antifog

| Code | Function | Description |
|---|---|---|
| **AF 0B680 LD** | Antifog | Moderate lasting AF MB, suitable for hot climate conditions. |
| **AF 03590 LD** | Antifog | Long lasting AF MB, suitable for moderate and hot climate conditions. |
| **AF 00S03 LD** | Antifog | Long lasting AF MB, suitable for wide climatic conditions. |
| **AF 0P52A EVA** | Antifog | Transparent AF MB specially designed for double roof and solarization films. |
| **AF 00854 LD** | Antifog | Long lasting AF MB, suitable for wide climatic conditions. Highly transparent. |
| **AF 00A40 LD** | Antimist | PFAS free Antimist MB to minimize the occurrence of fog inside the greenhouse. |

## 1.3 IR MB

| Code | Function | Description |
|---|---|---|
| **IR 0C660 LD** | Thermal IR | MID IR Absorber, improves thermal insulation by greenhouse films, prevents heat loss. |
| **IR 0E32C LD** | Thermal IR | Highly transparent Thermal IR, improves thermal insulation by greenhouse films, prevents heat loss. |
| **IR 0R40A LD** | Thermal IR | Super diffused Thermal IR, very high light diffusion without compromising total light transmission. |

## 1.4 Cooling IR MB

| Code | Function | Description |
|---|---|---|
| **IR 25750 LD** | Heat management | Near IR reflecting MB, decreases heat build up inside the greenhouse. Maximum PAR transmittance. |
| **IR 00U05 LD** | Heat management | Near IR reflecting MB, minimal effect on light scattering, good PAR transmittance. |
| **IR 04049 LD** | Thermal IR | NIR IR absorbing MB, reduces heat buildup inside the greenhouse without compromising light transmission. |

### 1.5 Diffuser

| Code | Function | Description |
|---|---|---|
| **DIF 09892 LD** | Light Diffuser | Highly concentrated mineral filler MB, provides homogeneous light diffusion. |

### 1.6 Antidust

| Code | Function | Description |
|---|---|---|
| **SAB 03390 LD** | Antidust | Reduces dust stickness to the film surface. |

### 1.7 Color

| Code | Function | Description |
|---|---|---|
| **CC 60440 LD BLUE** | Blue Color | Photo Selective Blue, prevents botrytis sporulation. |

What matters most to us is providing excellent service and using our vast worldwide experience and technology to face the challenges of our demanding market.



## 2. Agrinet

### 2.1 UV MB

| Code | Function | Description |
|---|---|---|
| **UVA 0C890 LL** | UV and UVA | UV MB for monofilament and slit tape nets. Excellent UV stability. Suitable for coated woven PE fabrics. |
| **UV 0J670 LD** | UV | UV MB for monofilament and slit tape nets. Excellent UV stability. |
| **UVA 00R45 LD** | UV and UVA | UV MB for coated woven PE fabrics. Good chemical resistance. |
| **UV 00E93 LL** | UV | UV stabilization of PE and PP films, tapes, and nets, combines excellent light and long-term thermal stability. |

### 2.2 UV

| Code | Function | Description |
|---|---|---|
| **UVA 0590A LD** | UV and UVA | HALS and UVA, long lasting UV absorption effect. Anti Virus effect. |

### 2.3 Color

| Code | Function | Description |
|---|---|---|
| **CC 5A882 UNI RED** | Photo Selective | Photo Selective Red for monofilament and slit tapes nets. Influences plant morphology by manipulation with Red/Far Red ratio of the spectrum. |
| **CC 11250 LL** | White | White MB with very good weatherability |

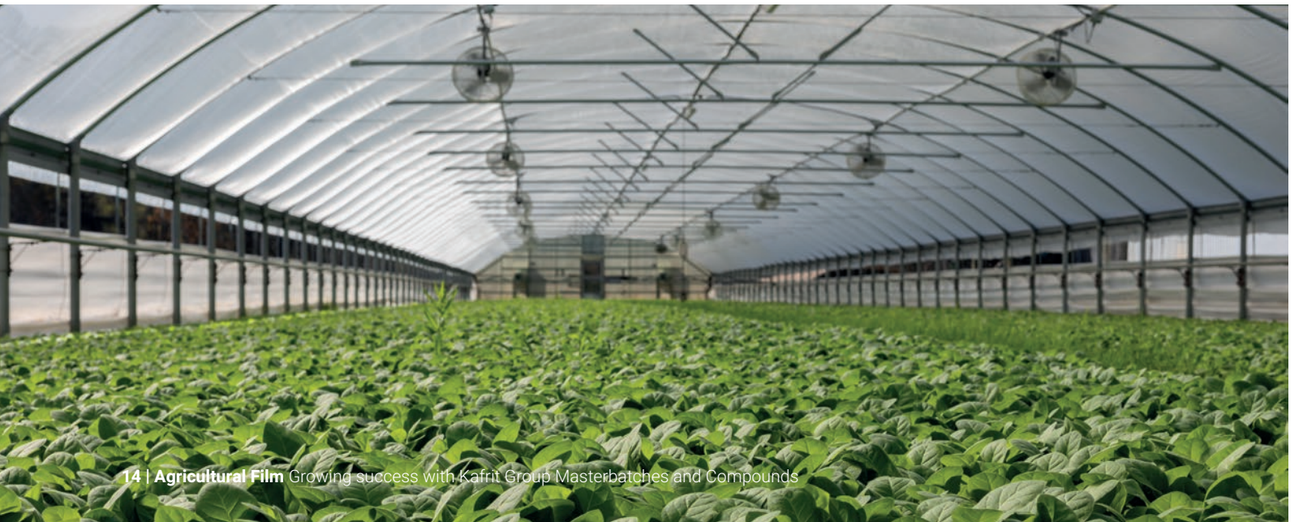
# 3. Mulch Films

### 3.1 Color

| Code | Function | Description |
|---|---|---|
| **CC 12720 LD** | White | White MB for mulch films. Excellent light reflection, reduces soil temperature. |
| **CC 11250 LL** | White | White MB for mulch films. Good light reflection, reduces soil temperature. |
| **CC 86600 LD** | Photo selective | Photo Selective Brown, suppresses weeds growth, increases soil temperature. |
| **CC 75400 LL** | Photo selective | Photo Selective Green, suppresses weeds growth, increases soil temperature. |
| **CC 30083 LL YELLOW** | Yellow | Yellow MB for mulch films, insect repellent. |
| **CC 20117 LL** | Silver | Reflective silver, insects repellent, reduces soil temperature. |
| **CC 2138A LL** | Silver | Reflective silver, insects repellent, reduces soil temperature. |

### 3.2 UV

| Code | Function | Description |
|---|---|---|
| **UV 00U24 LD** | UV | UV for mulch films, colored and transparent, good resistance to agrochemicals. |
| **UV 00880 LL** | UV | UV for black mulch films and geomembranes. |
| **UV 0H470 LD** | UV | Excellent stability to agrochemicals. |





# 4. Silage Wrap Film

### 4.1 Color and UV

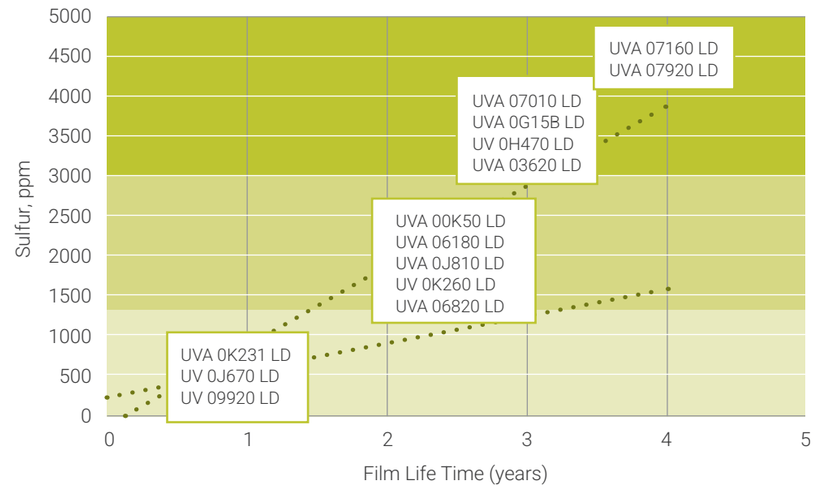
| Code | Function | Description |
|---|---|---|
| **CB 15800 LD** | White and UV | Combined white and UV MB. |
| **CB 70J14 LL** | Green and UV | Combined light green color and UV MB. |
| **CB 7G000 LD** | Green and UV | Combined light green color and UV MB. |
| **CB 70H06 LL** | Green and UV | Combined dark green color and UV MB. |
| **CB 50726 LD** | Pink and UV | Combined dark pink color and UV MB, for breast cancer awareness campaign. |
| **CB 60179 LD** | Blue and UV | Combined blue color and UV MB, for cancer awareness campaign. |

# 5. Banana bags

### 5.1 “Banana Blue” Color

| Code | Function | Description |
|---|---|---|
| **CB 61880 LL Blue** | Blue Color and UV | For protective banana bags, improves fruits weight and quality. |

## UV and UVA Masterbatches




**The Kafrit Agrifilm technical team is constantly developing new products to meet the ever-changing challenges of the industry.**

# 6. Miscellaneous

## 6.1 AntiBlock

| Code | Function | Description |
|---|---|---|
| **AB 0K630 LD** | AB | Highly concentrated AB MB, prevents film blockage on rolls. |
| **AB 08020 LD** | AB | AB MB, prevents film blockage on rolls, easy unwinding. |

## 6.2 Slip AntiBlock

| Code | Function | Description |
|---|---|---|
| **SAB 0656A EVA** | Slip and AB | Slip and AB MB for PE/EVA films with high EVA content, prevents film blockage on rolls, easy unwinding. |

## 6.3 Processing Aid

| Code | Function | Description |
|---|---|---|
| **PA 07720 LL** | PA | Used to avoid melt fracture and die build up during extrusion of mLL and LL PE based films. |
| **PA 0H670 LL** | PA | Processing Aid MB for cast films and high temperatures. |
| **PA 00893 LD** | PA | PFAS-FREE PA MB for blown film productions, high thermal stability. |
| **PA 00892 LD** | PA | PFAS-FREE PA MB for blown film productions. |
| **PA 00550 LL** | PA | PFAS-FREE PA MB for blown film productions, “shark skin” and die build-up elimination. |

## 6.4 Antioxidant

| Code | Function | Description |
|---|---|---|
| **ST 04400 LL** | Antioxidant | Antioxidant MB, process stabilizer, long term thermal stability, improves OIT of geomembranes. |

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!**
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to reduce material and resin consumption

**Functionalities: Kafrit Group Antioxidants**
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KAFRIT IL

**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 GER

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

CONSTAB CN

**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

**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 USA

**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 SWE

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

DELTA KUNSTSTOFFE GER

**Delta Kunststoffe AG**
Industriestrasse 48
47652 Weeze, Germany
Tel: +49 28 37 1051-0 · Fax: +49 28 37 1051-810
info@delta-kunststoffe.de | www.delta-kunststoffe.de

ABSA RESINS CAN

**ABSA Resin Technologies Inc.**
310 Montrose Street
Cambridge, ON, Canada, N3H 2H8
Tel.: +1 519 653 5575

BADGER COLOR USA

**Badger Color Concentrates Inc.**
1007 Fox St.
Mukwonago WI 53149, USA
Tel.: +1 262 363 5710
www.badgercolor.com

CONSTAB IND

**CONSTAB Polyolefin Additives India Pvt. Ltd.**
T-7, STPI,MIDC, Chikalthana, Chhatrapati Sambhajinagar
431001, Maharashtra, India.
Tel.: +91 95035 39418
info@constab-india.com | www.constab-india.com

Finke

**Finke Colors GmbH**
Hatzfelder Straße 174 – 176
42281 Wuppertal, Germany
Tel.: +49 202 70906-0 · Fax: +49 202 70906-230
www.finke-colors.de

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

**Plastics App Ltd.**
Kibbutz Megiddo
1923000, Israel
info@plastics-app.com
www. plastics-app.com

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