WHEN EXCELLENCE
MATTERS

rkw

Excellent results with advanced greenhouse films

RKW HYPLAST GREENHOUSE FILMS

GOOD LIGHT MANAGEMENT AND UV STABILIZATION

rkw-group.com

HYPLAST®

Advanced greenhouse films customized to your needs

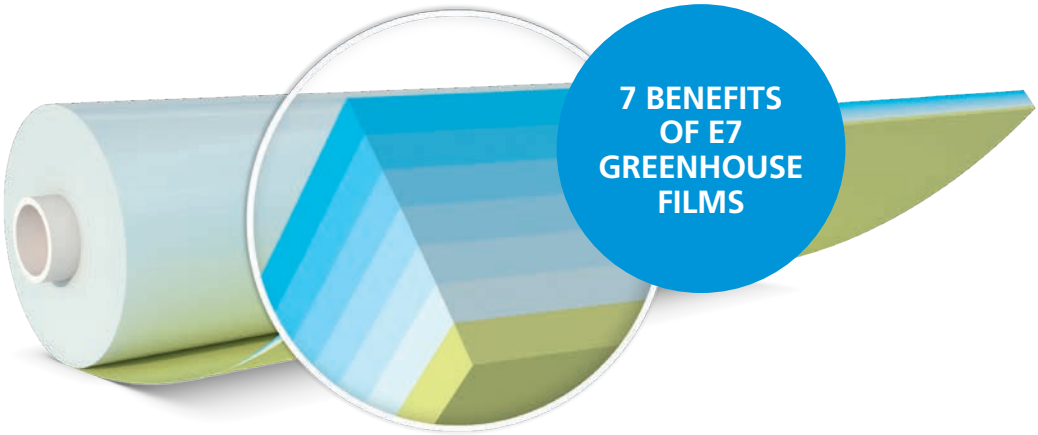
rkw WHEN EXCELLENCE MATTERS

e7 – for next generation greenhouse films

Vegetables and plants need intense care, but also a tailored environment for optimal growth. RKW Hyplast greenhouse films are produced using the latest 7-layer technologies. The e7 technology makes it possible to control the raw material consumption and to design each individual layer optimally.

The powerful greenhouse films offer you the perfect solution for maximum yield all year round. Benefit from our many years of experience, expert advice and leading technology.

Meet future challenges today with RKW's leading e7 greenhouse films. The advanced 7-layer design is customized to the high demands of modern greenhouses.



1. Higher tear resistance
2. Increased puncture resistance
3. Improved light management
4. Long-life UV stabilization
5. Better temperature control
6. Improved anti-drip feature
7. Optimized thicknesses

Profit from higher mechanical film properties and optimum light management, the two key drivers for yield and quality performance.

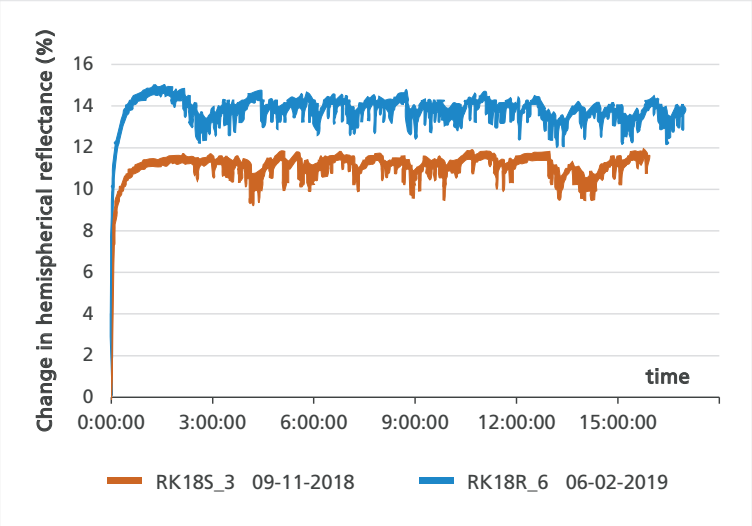
High-performance films for highest demands

The RKW Hyplast greenhouse films are reliable under tough conditions. They protect vegetables from the effects of frost, wind and rain, ensure consistent higher quality and help you to control the harvest time of your crop, potentially even allowing several crops to be harvested in one year.

GRAFENO®

A greenhouse film which offers great advantages for strong demands and tough conditions in the horticulture sector

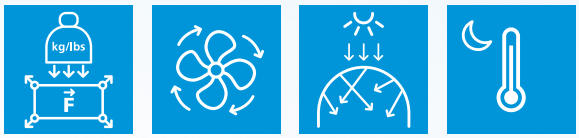
- 200 µm high-end film with excellent mechanical properties
- High pesticide resistance (7000 ppm sulfur + 250 ppm chlorine + 50 ppm iron)
- Transparent diffused film for a positive effect on your plants (medium diffusion: 40%)
- Film with high thermal efficiency which limits the heat loss
- Outstanding mechanical resistance compared to alternative greenhouse films
- Good UV opening features and favorable to pollinators
- Anti-dust effect for higher light transmission and easier cleaning of the film
- Less light reflection

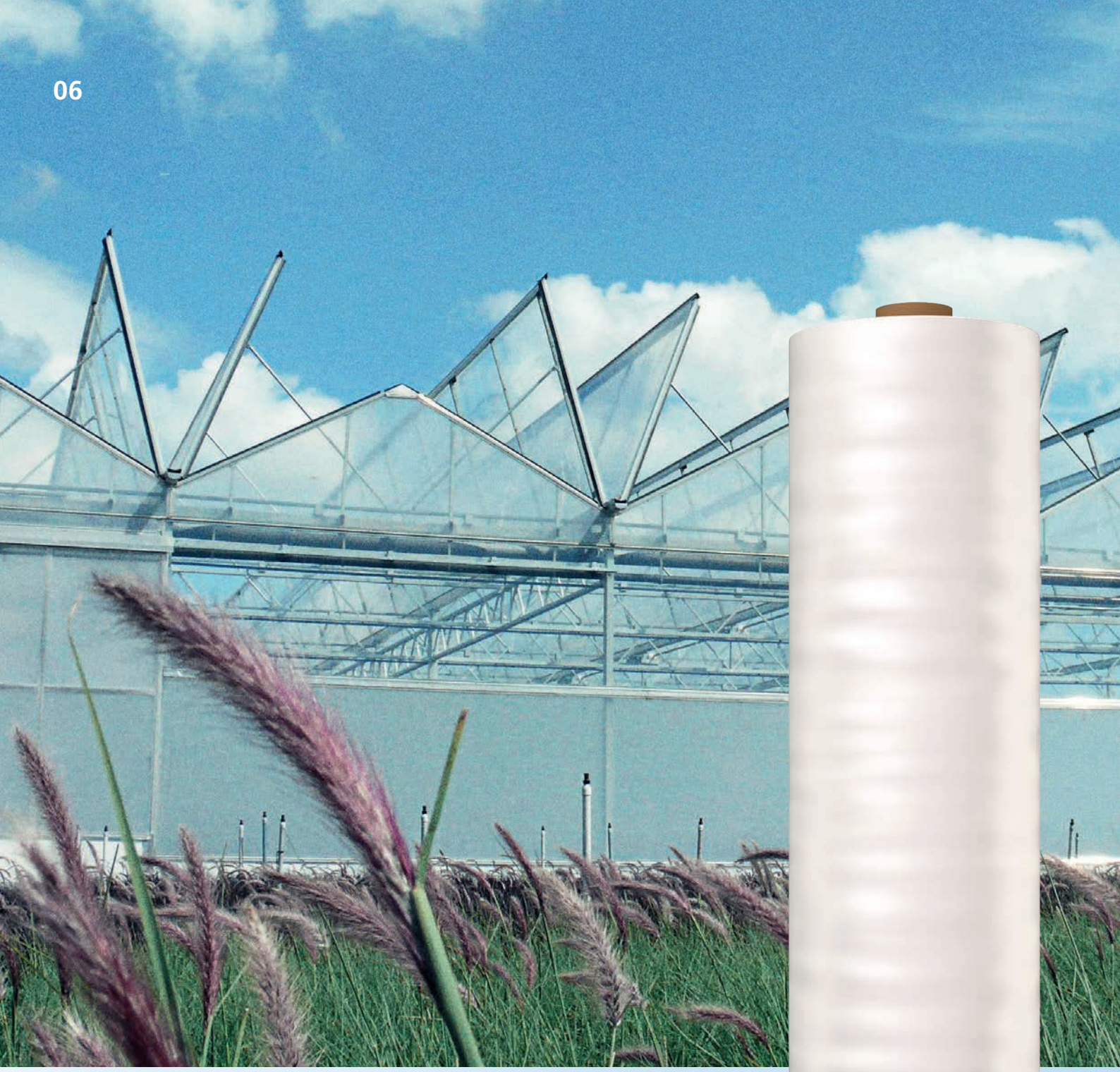


KOOLLITE® PLUS

Patented greenhouse film with pearlescent pigments which reflects solar heat – perfect for regions with hot climate conditions

- Diffused greenhouse film which scatters the light
- Selective reflection of solar heat (NIR) near-infrared light
- Cooling effect means less stress for the plants
- Thermic effect with EVA copolymers limits the drop in temperature of the greenhouse during the night
- Incoming light rays are broken on the microscopic pigment particles and diffuse over the entire greenhouse
- Plant leaves and any flowers are protected from excess irradiation and burning
- High mechanical film strength
- UV blocking / UV regular / UV open are available on request





Leading quality for specific requirements

The RKW Hyplast greenhouse films are tailored specifically to the unique light and temperature requirements of many field-grown fruits and vegetables. With excellent light transmission properties they create the perfect greenhouse environment and – at the same time – save heating and energy costs.

WIDTH
up to 20 m
THICKNESS
80 µm up to 300 µm

HYTiLUX®

A greenhouse film with excellent thermic and anti-drip properties

- Anti-drip effect for more light and less humidity in the greenhouse
- Reflects more longwave infrared radiation and slows down the cooling of the greenhouse in the night, meaning excellent thermic features and less temperature stress for your plants in reference to cold and warm variations
- UV blocking / UV regular / UV open are available on request
- High mechanical film strength

HYTiTHERMIC®

A greenhouse film with excellent thermic properties

- High mechanical strength
- Reflects more longwave infrared radiation and slows down the cooling of the greenhouse in the night, meaning excellent thermic features and less temperature stress for your plants in reference to cold and warm variations
- UV blocking / UV regular / UV open are available on request

Efficient greenhouse films with proven quality

Greenhouse films from RKW Hyplast stand for robustness and solid quality. They have been in use worldwide for many years and continue to enjoy great popularity due to their reliable performance.

HYTiFITE®

The greenhouse film with advanced anti-dust features, developed especially for export markets

- UV blocking / UV regular / UV open are available on request
- Anti-dust effect and high light transmission
- Easy film cleaning due to smooth surface of the film

HYTiCLEAR®

A reliable greenhouse solution developed for and very popular in the northern hemisphere

- Optimal light transmission for good yield per square meter
- UV blocking / UV regular / UV open are available on request
- Good mechanical properties

HYTiTUNNEL®

The greenhouse film with a high content of regenerated raw materials

- Widely used in the soft fruit industry
- Good mechanical properties
- Diffuse light transmission for a positive effect on crop growth
- Insect pollination friendly

Most important features at a glance

UV blocking

UV regular

UV open

Depending on the crop, climate and region, ultraviolet radiation can be harmful or beneficial to the crop. RKW can engineer the UV transmission of the film to the specific requirements of the customer.

UV blocking films can be a part of your IPM program, to help prevent fungal diseases transmitted by insects (anti-virus). They should not be used if insect pollination is required.

Clear transmission
High total light transmission with a high direct transmission and a low diffused light transmission.

Diffused films
Diffused films provide an even spread of light, reduce crop stress and avoid plant burn.

Crystal clear transmission
High total light transmission with maximum direct light transmission and an absolute minimum diffused light transmission. This makes it perfect to use when the light intensity is low and as an outside film in a double-deck house.

Customizable to your specific requirements

	Hytitunnel	Hytifite	Hyticlear	Hyithermic	Hytilux	Kool Lite Plus	Grafeno
Mechanical strength	++	+++	++++	+++++	+++++	+++++	+++++
Cooling effect	No	No	No	No	No	Yes	No
Anti-mist	No	No	No	No	Optional	Optional	Optional
Anti-drip	No	No	No	No	Yes	Optional	Optional
Crystal clear	No	No	Optional	Optional	No	No	Optional
Clear	No	Optional	Optional	Optional	Optional	No	Optional
Diffuse	Yes	Optional	Optional	Optional	Optional	Yes	Optional
Thermic	No	No	No	Yes	Yes	Yes	Yes
UV regular	Yes	Optional	Optional	Optional	Optional	Optional	Yes
UV open	No	Optional	Optional	Optional	Optional	Optional	No
UV block, anti-virus, anti-black-ening	Optional	Optional	Optional	Optional	Optional	Optional	No
Anti-dust	No	Yes	Yes	Yes	Optional	Optional	Yes
High resis-tance to pesticides	Optional	Optional	Optional	Optional	Optional	Optional	Yes
Ni-quencher stabilizer	Optional	Optional	Optional	Optional	Optional	No	No
Bee-friendly	Yes	Optional	Optional	Optional	Optional	Optional	Yes

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RKW GREENHOUSE FILMS

The RKW Group is an independent family owned company headquartered in Mannheim, Germany, and one of the world's leading manufacturers of sustainable film solutions. RKW is the market leader in the areas of hygiene and agricultural films, films for the beverage industry and packaging for powdery goods. Moreover, the company also supplies films for the chemical and processing industries as well as for the construction sector. The RKW Group's innovative plastic-based films enable its customers to improve the daily life of consumers all over the world. RKW employs approximately 2,800 people at 18 locations worldwide.

RKW Agriculture product range

- Round bale and pallet nets
- Round bale films
- Silage films and bags
- Early harvesting films & nonwovens
- Greenhouse films
- Cover films

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