

AGRICULTURE · GRADE KP-MUL

Mulch Film

Soil-covering film that saves water and blocks weeds

Thickness	Width	UV life	Light, black side
15–50 µm	**up to 5.6 m**	**to your season**	**< 1 %**

PRODUCT DESCRIPTION

Soil-covering film for fruit and vegetable fields that holds moisture, blocks weeds and keeps the root zone at a steadier temperature.

Mulch film also helps disinfect the soil before sowing when used for solarization. Choose white/black or silver/black to suit your crop and climate: the light side reflects heat and light to the plant, the black side blocks weeds.

APPLICATIONS

- Vegetable fields
- Fruit crops
- Soil solarization before sowing

KEY FEATURES

- **Better crops.** Improves crop quality and uniformity across large fields.
- **Saves water.** Cuts evaporation, so each irrigation goes further.
- **Fewer weeds.** Blocks light to weeds, reducing the need for herbicide.
- **Soil temperature.** Two-tone films reflect or absorb heat to suit the season.

TECHNICAL SPECIFICATIONS

Thickness	**15–50 µm**	Width	**up to 5.6 m**
Colors	**White/black or silver/black**	Service life	**To your season**

CERTIFIED MANAGEMENT SYSTEMS

ISO 9001:2015 Quality management	**FSSC 22000 v6** Food safety for PE bags and films, food and non-food use	**OK Recycled** Recycled content to EN 15343
ISO 14001:2015 Environmental management	**ISO 45001:2018** Occupational health and safety	**EcoVadis Committed** Sustainability rating

Certificates and declarations of compliance for supplier approval on request.

TYPICAL PROPERTIES

Typical values on **25 µm** film at 23 °C and 50 % RH, unless stated otherwise.

Property	Test method	Unit	Typical value
MATERIAL AND TOLERANCES			
Material	—	—	**LDPE / LLDPE blend, UV stabilized**
Thickness tolerance	ISO 4593	%	**± 5**
MECHANICAL			
Tensile strength at break, MD / TD	ASTM D882	MPa	**25–35 / 20–30**
Elongation at break, MD / TD	ASTM D882	%	**400–550 / 600–700**
Dart drop impact, method A	ASTM D1709	g	**90–160**
Elmendorf tear, TD	ASTM D1922	N	**3–6**
OPTICAL AND DURABILITY			
Light transmission, black side	ASTM D1003	%	**< 1**
UV stabilization, to your season	ISO 4892-2	months	**3–12**

Typical results from production testing, not specification limits. Properties vary with thickness and grade; data for your gauge on request. MD = machine direction, TD = transverse direction.

Packaging

- **Core diameter:** 76 mm
- **Roll size:** Up to 5.6 m, folded
- **Per 40′ container:** About 20–23 t
- Wrapped, labeled and stretch-wrapped on pallets

Storage

- Indoors, dry, away from direct sun, rain and heat
- Keep in the original packaging; first in, first out.

5–30 °C	≤ 65 %	12 mo.
Temperature	Humidity	Shelf life

Labeling

Every delivery comes with a Certificate of Analysis (CoA). Each label shows:

- Product, grade and dimensions
- Batch number and production date
- Net weight and customer PO

SUSTAINABILITY

Available with 30–100 % recycled polyethylene, certified OK Recycled (TÜV Austria, EN 15343). Mono-material PE, recyclable where PE film collection exists.

30–100 %
recycled PE content

How to order. Send your crop, bed width, season length and hectares. We reply with a quote within one business day.

contactus@karawiapack.com
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The information in this data sheet is based on our current knowledge and production testing. It is a guide only and is not a specification or a warranty of fitness for a particular use; performance depends on processing, handling and use conditions. Specifications are agreed in writing per order. Karawia Pack may update this sheet without notice; the latest revision applies.