

AGRICULTURE · GRADE KP-LT

Low Tunnel Film

UV-stabilized PE film for low tunnels over vegetables, fruit and flowers

Thickness	Width	Light transmission	UV life
30–60 µm	**up to 5.6 m**	**85–90 %**	**6–12 months**

PRODUCT DESCRIPTION

Film for low tunnels that shelters crops from frost, wind and rain, and brings fruits, vegetables and flowers to harvest earlier.

The film adapts to changing light and temperature through the season and helps you save water by reducing evaporation.

APPLICATIONS

- Vegetables
- Fruit
- Flowers

KEY FEATURES

- **Weather protection.** Shields young plants from frost, wind and rain.
- **Earlier harvest.** A warmer microclimate brings crops to market sooner.
- **Less water.** Reduced evaporation keeps more water in the soil.
- **Your season.** Thickness and UV life chosen for your crop cycle.

TECHNICAL SPECIFICATIONS

Thickness	**30–60 µm**	Width	**up to 5.6 m**
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 **40 µm** film at 23 °C and 50 % RH, unless stated otherwise.

Property	Test method	Unit	Typical value
MATERIAL AND TOLERANCES			
Material	—	—	**LDPE / LLDPE / EVA blend, UV stabilized**
Thickness tolerance	ISO 4593	%	**± 5**
MECHANICAL			
Tensile strength at break, MD / TD	ASTM D882	MPa	**20–28 / 18–25**
Elongation at break, MD / TD	ASTM D882	%	**400–600 / 600–800**
Dart drop impact, method A	ASTM D1709	g	**120–220**
OPTICAL AND DURABILITY			
Light transmission	ASTM D1003	%	**85–90**
Haze	ASTM D1003	%	**10–25**
UV stabilization, to your season	ISO 4892-2	months	**6–12**

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, tunnel width, season length and hectares. We reply with a quote within one business day.

contactus@karawiapack.com
WhatsApp +20 121 202 6661

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.