

AGRICULTURE · GRADE KP-GVC

Grapevine Cover Film

Vineyard cover film against frost, harvest rain and strong sun

Thickness	Width	Light transmission	Types
60–150 µm	**up to 5.6 m**	**85–90 %**	**NTh · ThC · ThD**

PRODUCT DESCRIPTION

Vineyard cover film that protects vines from winter frost, rain at harvest and strong summer sun.

Three film types cover vineyards against winter frost, rain at harvest and strong sun. Non-thermal (NTh) has a low infrared effect and suits forcing and semi-forcing crops. Thermal clear (ThC) is highly transparent with a high infrared effect, keeping in the heat the vines take up from the sun during the day. Thermal diffusing (ThD) adds light diffusion to the infrared effect, spreading strong sunlight to prevent scorching.

KEY FEATURES

- **Frost protection.** Keeps vines warmer through winter nights.
- **Dry at harvest.** Keeps rain off ripening bunches.
- **Controlled light.** Diffusing film softens strong sun to prevent scorching.
- **Three film types.** Non-thermal, thermal clear or thermal diffusing.

APPLICATIONS

- Table-grape vineyards
- Wine-grape vineyards

TECHNICAL SPECIFICATIONS

Thickness	**60–150 µm**	Width	**up to 5.6 m**
Types	**NTh, ThC, ThD**	Service life	**To your season**

TYPICAL PROPERTIES

Typical values on **100 µm** film at 23 °C and 50 % RH, unless stated otherwise.

Property	Test method	Unit	Typical value
MECHANICAL			
Tensile strength at break, MD / TD	ASTM D882	MPa	**18–26 / 16–24**
Elongation at break, MD / TD	ASTM D882	%	**500–700 / 600–800**
Dart drop impact, method B	ASTM D1709	g	**300–500**
OPTICAL AND DURABILITY			
Light transmission	ASTM D1003	%	**85–90**
Haze, thermal clear (ThC) / diffusing (ThD)	ASTM D1003	%	**10–20 / 40–60**
IR transmission, thermal types (ThC, ThD)	EN 13206	%	**≤ 25**
UV stabilization, to order	ISO 4892-2	seasons	**1–3**

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 row spacing, vineyard area and the protection you need. We reply with a quote within one business day.

contactus@karawiapack.com
WhatsApp +20 121 202 6661

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.

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.