

INDUSTRIAL PACKAGING · GRADE KP-SHD

Stretch Hood Film

Cold-applied stretch hood film for five-side pallet protection

Thickness	Width	Puncture	Application
100–160 µm	**lay-flat up to 150 cm**	**55–75 N**	**Cold, no heat**

PRODUCT DESCRIPTION

A tubular film pulled over the loaded pallet and stretched in place. It covers the load on five sides, holds it tight for road and sea transport, and needs no heat.

Stretch hooding replaces stretch wrapping and shrink hooding on many high-output lines: one hood per pallet, applied cold. Our films are made for high holding force and tear resistance, so the load stays secured on the road and the closed top keeps rain and dust out in open-air storage.

APPLICATIONS

- Polymers
- Fertilizers
- Compounding additives
- Building materials
- Household products

KEY FEATURES

- **Five-side protection.** Covers the top and all four sides against rain and dust in storage and in transit.
- **Stable loads.** Holds the pallet tight to cut slides and topples on the road.
- **No heat needed.** Applied cold, unlike shrink hood: less energy on your line and no flame.
- **Made to your spec.** Thickness, width and color matched to your pallet and hooding machine.

TECHNICAL SPECIFICATIONS

Thickness	**100–160 µm**	Lay-flat width	**up to 150 cm**
Gusset	**To your pallet footprint**	Roll weight	**up to 600 kg**
Color	**To order**		

TYPICAL PROPERTIES

Typical values on **120 µm** film at 23 °C and 50 % RH, unless stated otherwise.

Property	Test method	Unit	Typical value
MATERIAL AND TOLERANCES			
Material	—	—	**Co-extruded LLDPE / mLLDPE blend, 3 layers, EVA-free**
Thickness tolerance	ISO 4593	%	**± 5**
Roll outer diameter	—	mm	**up to about 760 (600 kg at 150 cm)**
MECHANICAL			
Tensile strength at break, MD / TD	ASTM D882	MPa	**25–40 / 30–40**
Elongation at break, MD / TD	ASTM D882	%	**700–1,000 / 750–950**
1 % secant modulus, MD / TD	ASTM D882	MPa	**100–130 / 110–140**
Puncture resistance	EN 14477	N	**55–75**
HOODING PERFORMANCE			
Applied stretch, horizontal (TD)	—	%	**40–100**
Elastic recovery after 24 h at 50 % stretch	ASTM D5459	%	**≥ 85**
Holding force at 50 % stretch after 24 h	ASTM D5459	N/25 mm	**8–14**
SURFACE, OPTICAL AND DURABILITY			
Coefficient of friction, film to film (static)	ISO 8295	—	**0.30–0.50**
Haze, clear grades	ASTM D1003	%	**15–25**
UV stabilization, on request	ISO 4892-2	kLy	**80–160 (about 6–12 months outdoors)**

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:** 152 mm
- **Roll size:** Up to 600 kg
- **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

CERTIFIED MANAGEMENT SYSTEMS

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.