

INDUSTRIAL PACKAGING · GRADE KP-FFS

Heavy-Duty FFS Film

Co-extruded PE tubular film for form-fill-seal sacks, 10–50 kg

Thickness	Width	Seal strength	Flexo print
90–200 µm	**30–65 cm**	**35–50 N/15 mm**	**up to 6 colors**

PRODUCT DESCRIPTION

Heavy-duty tubular film that your form-fill-seal line forms, fills and seals in one pass, for polymers, fertilizers, salt, sugar and building materials.

We produce the tube with side gussets on our blown-film lines, so it runs straight onto your FFS machine. The finished bags are airtight and strong enough for stacking, handling and outdoor storage.

APPLICATIONS

- Polymers
- Fertilizers
- Compounding additives
- Salt, sugar and flour
- Pet food
- Building materials

KEY FEATURES

- **Runs on your line.** Width, gauge and gusset set to your FFS machine, so the film tracks and seals at speed.
- **Strong when stacked.** Heavy-duty film that holds its shape on the pallet and in outdoor storage.
- **Printed in-house.** Flexo printing up to six colors per side for branding, product data and hazard labels.
- **Sealed tight.** Airtight seals keep product in and moisture out, from filling line to customer.

TECHNICAL SPECIFICATIONS

Thickness	**90–200 µm**	Tube width	**30–65 cm**
Side gusset	**To order**	Roll outer diameter	**up to 1.5 m**
Color	**To order**	Printing	**Flexo, 1–6 colors per side, up to 80 cm wide**

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 **150 µm** film at 23 °C and 50 % RH, unless stated otherwise.

Property	Test method	Unit	Typical value
MATERIAL AND TOLERANCES			
Material	—	—	**Co-extruded LDPE / LLDPE blend, 3 layers**
Thickness tolerance	ISO 4593	%	**± 5**
MECHANICAL			
Tensile strength at break, MD / TD	ASTM D882	MPa	**24–30 / 22–28**
Elongation at break, MD / TD	ASTM D882	%	**450–750 / 600–950**
1 % secant modulus, MD / TD	ASTM D882	MPa	**250–450 / 300–550**
Dart drop impact, method B	ASTM D1709	g	**700 to > 1,900 (no break)**
SEALING AND SURFACE			
Seal strength	ASTM F88	N/15 mm	**35–50**
Coefficient of friction, film to film (static)	ISO 8295	—	**0.30–0.50**
Surface tension, print side	ASTM D2578	mN/m	**≥ 38**
Density	ASTM D1505	g/cm³	**0.925–0.935**

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 1.5 m Ø
- **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 product, bag size, fill weight and FFS machine model. We recommend the gauge and gusset and 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.