

INDUSTRIAL PACKAGING · GRADE KP-DRL

Drum Liners

Loose PE liners for 200 L drums of juice concentrate and other liquids

Thickness	Width	Food grades	Supply
45–70 µm	**960 mm flat**	**FSSC 22000**	**Loose, by the piece**

PRODUCT DESCRIPTION

Loose polyethylene liners that go inside steel or plastic drums before filling with juice concentrate, fruit pulp, syrups and other liquids. The liner keeps the product off the drum wall and leaves the drum clean for reuse. It is plain polyethylene, not a barrier liner: oxygen-sensitive aseptic products need a barrier bag instead.

Our standard liner for 200 L drums is 960 mm wide and 1,730 mm long, 45 to 70 µm, bottom-sealed without gussets, in transparent, blue or green film. We make it as a three-layer film rich in metallocene LLDPE, so it stretches over the drum rim and folds closed without splitting. Food-contact liners are made from virgin PE under our FSSC 22000 system. Other sizes to your drum on request.

APPLICATIONS

- Juice concentrate
- Fruit pulp and purée
- Syrups and sweeteners
- Non-food liquids

KEY FEATURES

- **Food grade.** Virgin PE made under FSSC 22000, for juice concentrate, pulp and syrups.
- **Tough three-layer film.** Metallocene-rich PE that stretches over the drum rim and folds closed without splitting.
- **Sized to your drum.** Standard 960 × 1,730 mm for 200 L drums; other sizes on request.
- **Counted, not weighed.** Loose liners packed 15 to a carton and sold by the piece, so stock control is simple.

TECHNICAL SPECIFICATIONS

Thickness	**45–70 µm**	Flat width	**960 mm**
Length	**1,730 for 200 L drums; to order mm**	Bottom	**Heat-sealed, no gusset**
Material	**3-layer PE, metallocene LLDPE rich; no barrier layer**	Color	**Transparent, blue or green**
Food-contact compliance	**EU 10/2011, FDA 21 CFR 177.1520**		

TYPICAL PROPERTIES

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

Property	Test method	Unit	Typical value
MATERIAL AND TOLERANCES			
Material	—	—	**3-layer PE, metallocene LLDPE rich; no barrier layer**
Thickness tolerance	ISO 4593	%	**± 5**
Size tolerance, width and length	—	mm	**± 4**
MECHANICAL			
Tensile strength at break, MD / TD	ASTM D882	MPa	**23–29 / 19–27**
Elongation at break, MD / TD	ASTM D882	%	**350–800 / 630–930**
1 % secant modulus, MD / TD	ASTM D882	MPa	**190–250 / 220–300**
Dart drop impact, method A	ASTM D1709	g	**400–950**
SURFACE			
Coefficient of friction, inside, film to film (static)	ISO 8295	—	**0.30–0.45**
Coefficient of friction, outside, film to film (static)	ISO 8295	—	**0.35–0.45**

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:** No core
- **Roll size:** Loose liners, 15 per carton, 5,000 per pallet
- **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.

≤ 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

Food-contact grades are made from 100 % virgin PE under FSSC 22000. Non-food grades are available with 30–100 % recycled PE, certified OK Recycled (TÜV Austria, EN 15343).

30–100 %
recycled PE, non-food grades

CERTIFIED MANAGEMENT SYSTEMS

ISO 9001:2015 Quality management system	**FSSC 22000 v6** Food safety for PE bags and films; listed with Egypt's National Food Safety Authority (NFSA)	**OK Recycled** Recycled content to EN 15343
ISO 14001:2015 Environmental management system	**ISO 45001:2018** Occupational health and safety management system	**EcoVadis Committed** Sustainability rating

Certificates and declarations of compliance for supplier approval on request. REACH SVHC and RoHS declarations on request. PPWR: mono-material polyethylene film, designed for recycling in PE film streams.

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.