

INDUSTRIAL PACKAGING · GRADE KP-PS

Pipe Sleeves

Seamless PE sleeving that protects buried ductile iron pipe from corrosion

Thickness	Width	Form	Elongation
100–200 µm	**up to 2.6 m flat**	**Seamless tube**	**≥ 800 %**

PRODUCT DESCRIPTION

Seamless polyethylene tube slipped over ductile iron pipes as they are laid. It keeps corrosive soil and groundwater off the pipe and is a simple, low-cost way to protect buried water and sewage mains.

We blow the sleeve as one seamless tube, from 100 to 200 µm thick and up to 2.6 m flat, so one supplier covers small service lines and large mains. It comes on rolls, to cut on site, or in lengths cut to your pipes.

APPLICATIONS

- Ductile iron water mains
- Sewage pipelines
- Cast iron pipes
- Fittings and valves

KEY FEATURES

- **Corrosion protection.** Keeps corrosive soil and water away from the pipe surface.
- **Seamless tube.** Blown as a tube, so there is no seam to open up in the trench.
- **Low cost.** A simple layer added as the pipe is laid, with no curing or special tools.
- **Your pipe sizes.** Flat width and length matched to your pipe diameters.

TECHNICAL SPECIFICATIONS

Thickness	**100–200 µm**	Lay-flat width	**up to 2.6 m**
Form	**Seamless tube, on rolls or in cut lengths**	Material	**LDPE / LLDPE**
Colors	**Black, blue or to order**		

TYPICAL PROPERTIES

Typical values on **200 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	**25–35 / 22–30**
Elongation at break, MD / TD	ASTM D882	%	**800–1,000 / 900–1,100**
Dart drop impact, method B	ASTM D1709	g	**600–900**
Elmendorf tear, MD / TD	ASTM D1922	N	**20–30 / 25–35**
ELECTRICAL			
Dielectric strength	ASTM D149	kV/mm	**≥ 31**

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:** Tube on rolls, or cut lengths
- **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 pipe diameters, the standard you follow (ISO 8180 or AWWA C105) and the total length. 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.