PENTUSOIL

PETROCHEMICAL SOLUTIONS FOR A BETTER FUTURE

Films & Flexible Materials

Stretch film, shrink film and converted polyethylene products, sourced to the width, gauge and machine you actually run.

- Stretch film from 17 to 50 micron, widths to 150 cm
- Shrink film from 20 to 120 micron, printed or plain
- Virgin and recycled-content options against your specification
- Width, gauge and core matched to your wrapper

INTRODUCTION

Film sourced against the line it has to run on

Film is usually bought on price per kilo and paid for in film per pallet. A 23 micron film that pre-stretches to 250 per cent wraps more pallets per roll than a 17 micron film that tears at 150 per cent, even though the thinner roll looked cheaper on the order.

We are a sourcing partner, not a converter. We work from your requirement - the load, the machine, the gauge and the volume - and identify film from our supply network that matches it. Where a lighter gauge would do the same job, we will say so, because a customer who wraps the same pallet with less film reorders.

Specifications in this catalogue are indicative ranges available across our sources. Exact availability, tolerances and certification vary by producer and quantity, and are confirmed at quotation.

Stretch or shrink

The two look similar on a pallet and do completely different jobs. Stretch film is applied cold: the film is stretched under tension and its own elastic recovery holds the load, which suits mixed loads and irregular shapes. Shrink film is applied loose and then heated: it contracts tight around the pack and stays there, giving a sealed, tamper-evident finish that takes print properly but needs a heat tunnel and the energy to run it.

CHOOSING BETWEEN THEM

- Stretch: cold application, no energy per pallet
- Stretch: handles mixed and irregular loads
- Stretch: hand-applied or on a turntable wrapper
- Stretch: load containment, not a sealed pack
- Shrink: sealed and tamper-evident finish
- Shrink: takes registered print for retail
- Shrink: needs a heat tunnel
- Shrink: best on uniform, repeatable pack shapes

PRODUCT 01

Stretch Film

Stretch film performance comes down to how far it stretches before it fails and how evenly it holds gauge across the web. Both are properties of the resin and the line it was cast on, which is why we specify the source rather than treating stretch film as a commodity.

Virgin LLDPE with a PIB cling additive is the default specification we source against. Regrind content lowers cost but is where gauge bands, pinholes and inconsistent stretch come from, so we only quote it where you ask for it and the application tolerates it.

Types we source

- Machine film. For turntable and rotary-arm wrappers; rolls 10 kg to 30 kg, stretch performance to 300 per cent depending on source.
- Hand film. Lighter rolls for manual wrapping, 2 kg to 5 kg, with extended core options.
- Pre-stretch film. Stretched during production, so it applies with far less force and uses less film per pallet.
- Silage film. UV-stabilised for bale and clamp wrapping, in green, black and white.
- Coloured and opaque. Black, white and coloured for load concealment and despatch colour coding.
- Heavy-duty. Higher gauge and puncture resistance for sharp-edged, heavy or unstable loads.

ORDERING INFORMATION

Product	LLDPE cast stretch film
Raw material	Virgin polyethylene with PIB cling; recycled content on request
HS code	392010
Thickness	17 micron to 50 micron
Width	10 cm to 150 cm
Roll weight	Hand 2 kg to 5 kg; machine 10 kg to 30 kg
Colour	Transparent, black, white or to order
Lead time	Quoted per enquiry, by source and quantity
Minimum order	Typically one container; smaller trial volumes on request
Packing	Rolls on pallets, wrapped
Payment	TT
Delivery terms	EXW, FOB, CFR, CPT

APPLICATIONS

- Palletised goods and case despatch
- Machinery and equipment protection
- Furniture and white goods wrapping
- Silage bale and clamp wrapping
- Building materials and tile despatch
- Third-party logistics and warehousing
- Food and beverage distribution
- Bundling of pipes, profiles and timber

PRODUCT 02

Shrink Film

Shrink film fails in a way stretch film does not. If the shrink rate is uneven across the web, one edge pulls before the other, the pack twists, and a high-speed tunnel turns that into a line stoppage rather than a cosmetic problem.

So the property worth specifying is uniformity: even thickness across the web and an even shrink on all edges. When you tell us the tunnel and the line speed, we can match the film to it rather than quoting a gauge and hoping.

Types we source

- Plain shrink film. Neutral film for transit bundling, clear or tinted.
- Printed shrink film. Registered print for shelf-ready retail packs and promotional bundles.
- Heavy-duty shrink. Higher gauge for building materials, tiles and bricks.
- Collation shrink. Thinner film engineered for high-speed bottle and can collation.

ORDERING INFORMATION

Product	LDPE shrink film
Raw material	LDPE; recycled content on request
HS code	392010
Thickness	20 micron to 120 micron; commonly 45 to 70
Width	10 cm to 150 cm
Roll weight	2 kg to 30 kg
Print	Registered print or neutral
Colour	Transparent or coloured
Lead time	Quoted per enquiry, by source and quantity
Minimum order	Typically one container; smaller trial volumes on request
Packing	Rolls on pallets, wrapped
Delivery terms	EXW, FOB, CFR, CPT

APPLICATIONS

- Bottle and can multipack collation
- Food and beverage shelf-ready packs
- Tile, ceramic and porcelain bundling
- Building material and brick packs
- Home appliance and automotive parts
- Hygiene, cosmetics and pharmaceutical
- Chemical and agricultural products
- Promotional and branded bundles

PRODUCT 03

Converted polyethylene products

Alongside film on the roll we source converted polyethylene products for agricultural, construction, industrial and packaging use. These are specified the same way: tell us the application, the dimensions and the conditions the product has to survive.

AGRICULTURAL AND CONSTRUCTION

- Greenhouse and tunnel films
- UV-stabilised covers
- Mulch films
- Cultivation bags
- PE construction films
- Vapour barrier films
- Foundation protection films
- Industrial PE sheets and covers

INDUSTRIAL AND PACKAGING

- Heavy-duty industrial bags
- Shrink hoods
- PE tubular films
- Industrial packaging bags
- Protective covers
- Custom-width films

COMMERCIAL

How to order

Send us a roll you are running now. Give us the width, the gauge, the core and the machine, and we will source a matching film and quote against it.

What we need from you

- Film width and gauge, and the core diameter your wrapper takes.
- Machine type and model, or confirmation that it is hand-applied.
- Roll weight or length you currently buy.
- Pack or pallet dimensions, and the load type.
- For shrink: the tunnel type and the line speed.
- Annual or monthly volume, so we can quote against the right container plan.
- Any certification you need supplied with the goods.

SUPPLY

Sourcing	Matched to your specification from our producer network
Quality	Producer certification supplied with the consignment where available
Customisation	Width, gauge, core diameter and roll weight specified to your machine
Documentation	Packing list, certificate of origin and export paperwork
Samples	Available before a full container commitment, subject to source

Tell us what you need

Send us the material, application, grade or specification and the quantity you are working to. We will review the requirement, identify suitable options from our supply network and come back with what is available and on what terms. Where a substitution carries risk, we will say so.

Request a quote
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Core, infrastructure, film and specialty materials, sourced to specification.
Product ranges shown are indicative of what we can source and are not a specification. Availability, grades and properties vary by source and quantity. Confirm with us before ordering.