

# alesco STRETCH-HOOD - LITTLE GLOSSARY

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### Application

Nowadays tubular stretch film is mainly used in the building- and chemical industry as well as in the beverage production as a safe guard of the pallets. Besides it is increasingly used also at the transport of food and hygienic articles.

### Theft protection

The firm stability of the material makes the film an effective theft protection.

### Tubular stretch film

The alesco STRETCH-HOOD is the basis of the stretch-hoods. The film got its name because of its special features. At optimal preconditions it can be stretched up to 190% of its original size and afterwards pulls back to its original shape fixing the goods on the pallet.

### Display Effect

In contrast to other packaging materials alesco STRETCH-HOOD film is far more transparent on the pallets. Barcodes and other product labels remain legible from outside.

### Printing

Dependent on later use and deformation of the stretch-hood the film can be printed with a good advertisement.

### Damageable goods

In contrast to shrink hoods the individual pressure on the goods can be regulated by choosing the appropriate film and the adequate setting of the machine. For this reason even damageable goods can be wrapped safely.

### Efficiency

Due to progressive packing machines the average throughput per hour is almost twice as much as with shrink-hoods or stretch wrapping film.

### Resistance to perforation

The strong resistance to perforation is one of the central arguments for alesco STRETCH-HOOD film or stretch-hoods. The tensile strength of the material not only allows a safe packing of sharp-edged products but also improves the safety of the goods during transports and the theft protection (see safety).

### Energy consumption

Since no oven has to be heated the energy consumption is lower than with other packaging methods.

### Waste disposal

In comparison with other pallet wrapping systems stretch-hoods are made of a thinner film which reduces the disposal of films per pallet.

### Film consumption

Contrary to other wrapping systems for palletized goods the material consumption of stretch-hoods is particularly low. The film needn't be wrapped around the goods for several times. There aren't any remainders. That reduces the costs per pallet.

### Hood

In the extrusion the film is produced as a tube. When cut and sealed horizontally to the tube direction we get a „stretch-hood“.

### Holding strength

The tensile strength of the stretch-hoods works in both vertical and horizontal directions. This effect protects the goods on the pallets against displacement towards the sides (horizontal) and presses them onto the pallet (vertical).

### Production

alesco STRETCH-HOOD exclusively is produced on modern COEX-extruders with three worms supplying the granules. This is necessary for the combination of the components only at the extruder's mouth.

### regular pallets

Pallets which do not meet the DIN-standard are no problem for the packaging with stretch-hoods as the tubular stretch film always follows narrowly the shape of the pallet.

**In case of further queries please do not hesitate to contact our sales service.**

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### Machine applicability

Tubular stretch film and stretch-hoods are less prone to machine-problems than other kinds of wrappings because no external heating is needed (see energy consumption) and the machines have less moving parts. This also reduces the maintenance-costs of the machines.

### Compounds

For various needs two standard compounds were developed. Whilst the first formula is especially made for lower ambient temperatures the second formula is optimized for an especially strong resistance to perforation. Further material compounds, e.g. UV-stabilizer or additional features are possible on request.

### Oven

(see energy consumption)

### Optical features

(see display effect)

### Presentation of the goods

The high transparency and slight strain of the alesco STRETCH-HOOD keep the packed goods visible during the transport.

### Raw material

Three different ingredients are necessary for the alesco STRETCH-HOOD. The single components are solely supplied by known producers and are subject to constant quality controls.

### Circumference of the tube

We produce alesco STRETCH-HOOD with a circumference between 2200 and 4800 mm.

### Safety

Goods wrapped by stretch hoods are waterproof and dust-proof at five sides. If another film is put underneath the products before packing the goods are protected at all sides. The firm stability of the material makes the film an effective theft protection.

### Transparency

(see display effect)

### Downtime

Contrary to the stretch wrapping film where the rolls have to be changed ever so often, the downtime with stretch-hoods is shorter due to little machine set-up time. The heating of an oven -as with shrink hoods- is not necessary.

(see energy consumption)

### Environmental protection

The low scrap (see film consumption) and thinner and thinner film make stretch-hoods an ecofriendly option.

### Understretch

### UV-stabilizer

The enhancement of the film by adding other components such as UV-stabilizer is feasible without problems. (see compounds)

### Disposability

Good machine applicability, little downtime and longer maintenance intervals at the machines make alesco STRETCH-HOOD and stretch-hoods a cheap wrapping option.

### Sticking

alesco STRETCH-HOOD and stretch-hoods do not stick to goods or other films.

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### Insurance premium

Since there is no oven to be heated to fix the goods on a pallet by alesco STRETCH-HOOD the fire risk is lower. Result: The insurance premiums could be reduced.

### Goods which are sensitive to heat

Even goods which are sensitive to heat, e.g. food, can be wrapped in stretch hoods without any problems, as there is no external heat effect. (see energy consumption)

### Possibilities of advertising

A high quality printing on the stretch hood means an additional advertising effect. But even without any printing the stretch hood highlights the wrapped goods because of its clear transparency.

## COMPARISON OF DIFFERENT PACKAGING SYSTEMS

	strech-hood	shrink hood	stretch film
holding strength	very strong	strong	strong
energy consumption	low	high	low
downtime	very seldom	seldom	often
film consumption	low	high	low
visual features	very good	good	bad
manual wrapping	no	yes	yes
automatic wrapping	yes	yes	yes
water proof	yes	yes	no
Packaging speed (up to X pallets/hour)	200	100	100
Safety of packaging	high	low	high
recycle ability of the film	high	high	low
investment costs	medium	high	low
printability	high	high	low
pallet diversity	medium	high	low

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