

# Stretch Pack

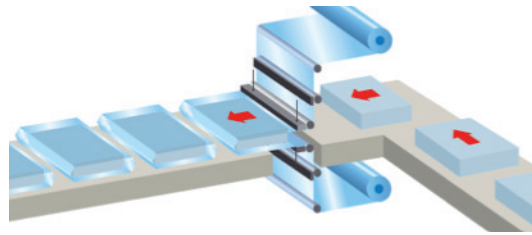
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GROUPE BARBIER  
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## STRETCH PACK : for wrapping individual packs or to group them together

Group Barbier is proud to innovate in order to preserve the environment. An eco design from the start and to reduce the thickness are part of our key objectives and priorities.

### THE STRETCH PACK : HOW IT WORKS

- Individual packs or packs grouped together pass the curtain of film which has been formed
- The forcing rod, the film stretching unit and the side welding station are controlled by a servo motor and which can be function fully synchronized in such a way that each can be precisely set to the correct pace.
- The stretch packs can be formed without having to pass through a shrink tunnel.
- The forcing rod pushes the pack through the curtain of film.
- During the whole operation, the film stretching unit keeps the packaging film under tension in function of the forcing movement and the side welding.
- The side sealing station consists of a system which forms flat preheated seals with a mechanical cutting device.
- The sealing time and cool down time are controlled electrically.



### The PROS of the product :

- Thickness reduction
- Possibilities to print in-line or off-line
- easy to open perforations in line
- The packs are perfectly contained without additional shrinking.
- High line speeds up to 40 seals per minute
- No shrink oven required
- Economy: up to 15% of costs can be cut.

High speed version up to 40 packs



Standard version up to 25 packs



### The CONTRAS of the product:

- Deformation of the printing.

### Technicals datas

Present sizes of products possible :

- Lengths = from 40 mm to 520 mm
- Widths = from 80 mm to 1450 mm
- Heights = from 30 mm to 400 mm

Typical analysis report	VALUES	UNITS	TEST METHOD
Coefficient of friction	$0,30 \leq Kd \leq 0,45$	—	ISO 8295
Strength at break MD	$\geq 25$	MPa	ISO 527-3
Strength at break CD	$\geq 25$	MPa	ISO 527-3
Elongation at break MD	$\geq 300$	%	ISO 527-3
Elongation at break CD	$\geq 510$	%	ISO 527-3
Impact resistance	$\geq 380$	g	ISO 7765-1/2
Corona treatment	$\geq 38$ <small>On printed surface</small>	mN/m	NF T 54-124
Tear resistance MD	$\geq 120$	cN	ISO 6383-2
Tear resistance CD	$\geq 390$	cN	ISO 6383-2
Stretch strength MD (pre-stretch at 80%)	$22,0 \ 3,0$	N/50mm	NF T 54196-1
Residual elongation $\alpha$ , (force 0)	$\leq 40$	%	NF T 54196-1
Holding force (maintained for 10 min at $\alpha$ )	$\geq 2,4$	N/50mm	NF T 54196-1
Reaction force (at $\alpha$ , + 10%)	$\geq 7,5$	N/50mm	NF T 54196-1
Blend of polyethylenes :			
Grade	$0,6 \ 0,4$	g/10min	ISO 1133 (condition D)
Densité	$0,932 \ 0,006$	—	ISO 1183