Habasit – Solutions in motion

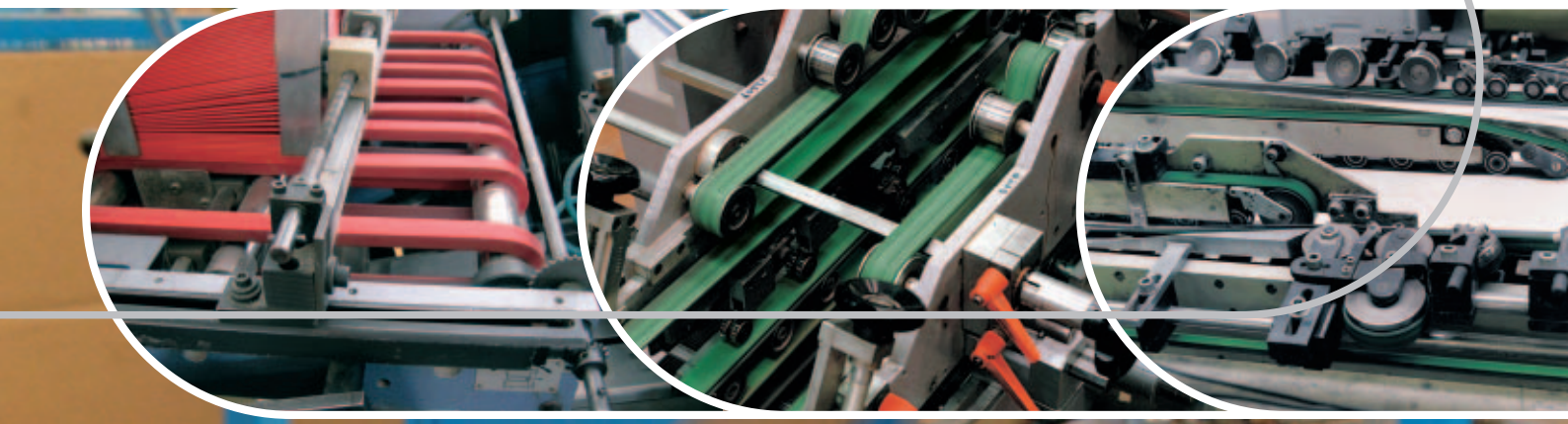
habasit

NEW

The Habidur® polyamide belt range S-10/30D, S-10/40D, S-18/60D tailored for folder-gluer applications

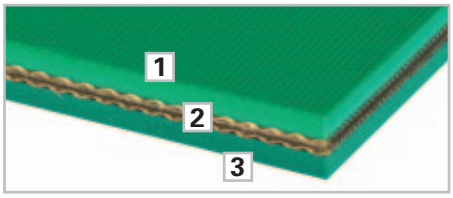
- Excellent resistance of rubber against cut propagation
- Excellent reversed bending properties
- Good abrasion resistance
- High and constant grip over lifetime, no glazing out

- **Long belt life**
- **High machine performance and output**



What's behind Habidur®?

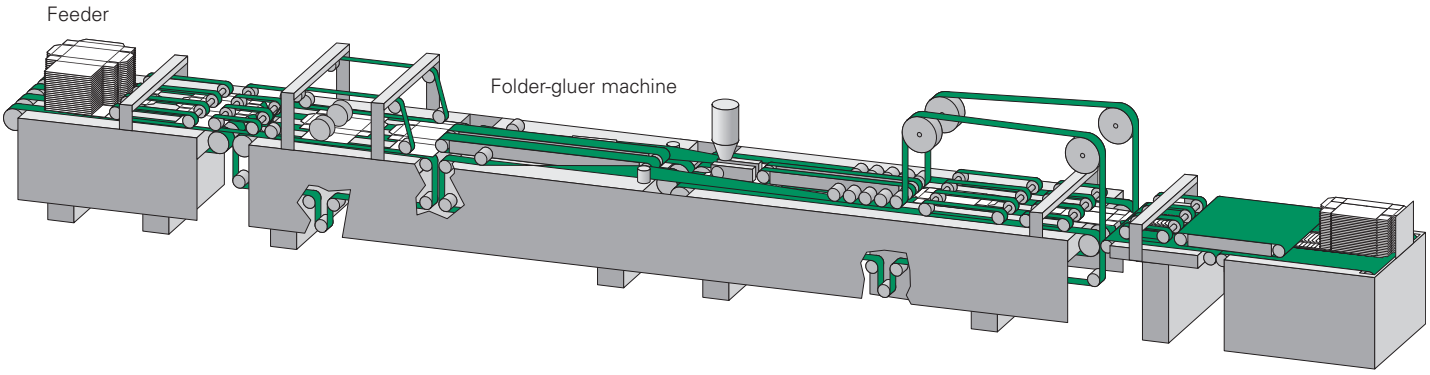
Habidur® ("dur" stands for durability), the new rubber compound offers high flex fatigue strength, resistance against cut propagation and improved tear resistance. The range:
S-10/30D, S-10/40D, S-18/60D
("D" stands for Habidur®)



1 Green, rubber (Habidur®), rough textile structure

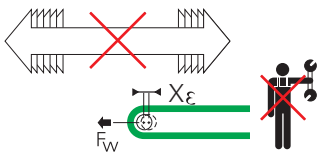
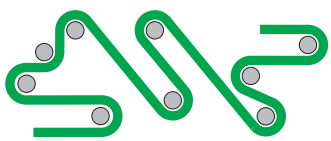
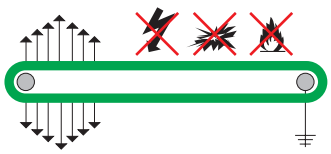
2 Traction layer polyamide

3 Dark green, rubber (Habidur®), rough structure



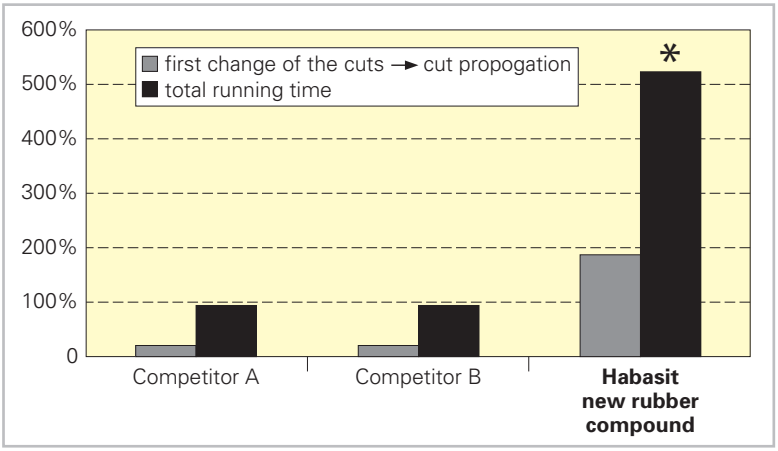
Features and benefits of Habidur® polyamide folder-gluer belts

The Habidur® rubber covers provide high durability, good positive grip and the ability to cope with very high operational speeds (~ 600m/min), reversed bendings and small pulley diameters.

	Features	Benefits
	• **Habidur® rubber cover** • **Excellent resistance against cut propagation** • **Constant coefficient of friction** • **No glazing out**	→ **Gentle treatment of goods** → **Good and precise acceleration of cardboard** → **No marking** → **High and constant grip over lifetime** → **Precise folding process** → **Long belt life**
	• **Stable modulus of elasticity after running-in**	→ **Dimensional stability** → **No re-tensioning** → **No downtimes**
	• **Excellent reversed bending characteristics** • **Excellent aging properties**	→ **Outstanding properties against flex-fatigue** → **Less machine downtimes** → **Low maintenance cost** → **Long belt life** → **Longer shelf life**
	• **Permanently antistatic**	→ **Less dust and dirt attraction** → **Process reliability** → **Low maintenance cost**

The Proof

Wear and tear test, cut propagation



Test parameter

- Pulley diameter = 48 mm
- Belt speed = 10 m/sec.
- Shaft load = 192 N
- At the beginning of the test all samples were cut manually on both surfaces

* Test stopped after lifetime limit of 500% was exceeded. Belt still in good condition.

Field test results

- Belts tested at leading customers' sites in Europe
- Expected service life fulfilled or exceeded
- No belt cracks, no rubber cracks, no joining failure detected
- Constant and high grip over lifetime assures precise transportation properties, faster acceleration of machine and better machine performance / output.

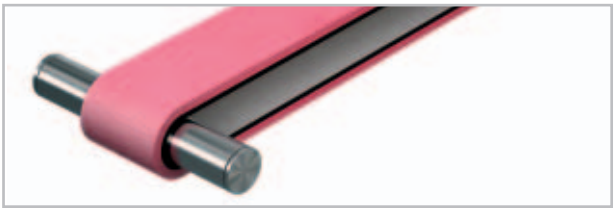
Technical key data of Habidur® polyamide folder-gluer belts

		Belt type		
Belt application		**S-10/30D**	**S-10/40D**	**S-18/60D**
Corrugated cardboard production		●	●	●
Folder-gluer machine, box making		●	●	●
Tubewinder		●	●	●
Paper and cardboard converting, various kinds of applications		●	●	●
Cardboard conveying		●	●	●
Product construction / design				
Conveying side (Material)		Rubber (Habidur)	Rubber (Habidur)	Rubber (Habidur)
Conveying side (Surface)		Rough textile structure	Rough textile structure	Rough textile structure
Conveying side (Property)		Adhesive	Adhesive	Adhesive
Conveying side (Color)		Green	Green	Green
Traction layer (Material)		Polyamide	Polyamide	Polyamide
Number of Fabrics		2	2	2
Running side / pulley side (Material)		Rubber (Habidur)	Rubber (Habidur)	Rubber (Habidur)
Running side / pulley side (Surface)		Rough structure	Rough structure	Rough structure
Running side / pulley side (Property)		Adhesive	Adhesive	Adhesive
Running side / pulley side (Color)		Dark green	Dark green	Dark green
Product characteristics				
Slider bed suitable		No	No	No
Carrying roller suitable		Yes	Yes	Yes
Permanently antistatic		Yes	Yes	Yes
Technical key data				
Thickness	[mm]	3	4	6
	[in.]	*0.12*	*0.16*	*0.24*
Pulley diameter (minimum)	[mm]	30	40	60
	[in.]	*1.2*	*1.6*	*2.4*
Pulley diameter minimum with counterflection	[mm]	30	40	60
	[in.]	*1.2*	*1.6*	*2.4*
Tensile force for 1% elongation (k1% after running-in)	[N/mm]	5.5	5.5	8.5
per unit of width (Habasit standard 320.013)	*[lbs./in.]*	*31*	*31*	*49*
Operating temperature, admissible (continuous)	[°C]	0 / 100	0 / 100	0 / 100
	[°F]	*32 / 212*	*32 / 212*	*32 / 212*
Coefficient of friction on driving pulley of steel	[-]	0.7	0.7	0.7
Seamless manufacturing width	[mm]	1200	1200	1200
	[in.]	*47*	*47*	*47*
Joining system				
Thermofix		●	●	●

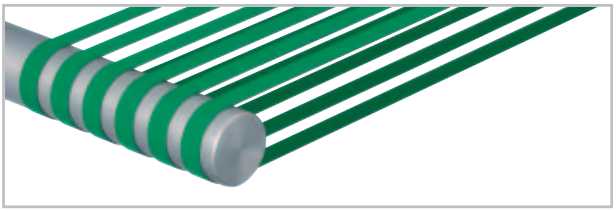
Remarks:
This application/belt matrix does not apply to be complete and shall serve as indication of potential solutions. For detailed material and belt selections please contact your local Habasit partner. All data are approximate values under standard climatic conditions: 23°/*73°F*, 50% relative humidity (DIN 50005/ISO 554), and are based on the Habasit Master Joining Method.

Further Habasit belting solutions

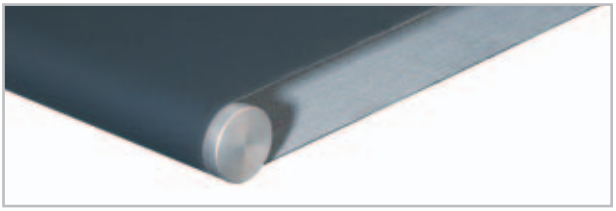
Habasit provides a comprehensive product range and offers solutions with outstanding customer benefits for your folder-gluer machines and a wide scope of other applications.



For the feeder section: **Grabber® feeder belts**
Rubber coated seamless belts with their numerous substrates and tailor-made durable covers ensure excellent performance and a reliable feeding process.

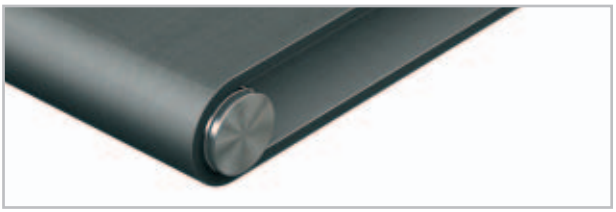


For the folder section: Apart from polyamide Habidur® folder-gluer belts, there are also **polyester folder-gluer belts** available. They allow the adhesive-free "Flexproof" joining method.
In brief: flexible, abrasion-resistant, easy to fit and "best in class performance".



Conveyor belts for the delivery section
PVC coated conveyor belts
The PVC range of different combinations of surface characteristics, structures, traction layers, and classes of strength ensures an excellent performance, is highly reliable and an economic solution for all transportation requirements.

TPU coated conveyor belts
A comprehensive range of conveyor belts with different surface materials, structures and strength classes. Extremely reliable, optimized levels of grip and a long service life.



Nonwoven conveyor belts
They are particularly suitable for applications in corrugated cardboard manufacturing where such belts are used as bridge elevator and bridge transfer belts. Nonwoven conveyor belts are also perfectly suitable for many conveying applications, e.g. on stackers.

Habasit – We are where you are

Green areas represent the density of the Habasit sales and service network.

Headquarters
Habasit AG
CH-4153 Reinach-Basel
Phone +41 61 715 15 15
Fax +41 61 715 15 55
E-mail info@habasit.com
www.habasit.com

Printed in Switzerland

Publication data:
4089FLY.FGB-en0405HQR