

Main industry segments

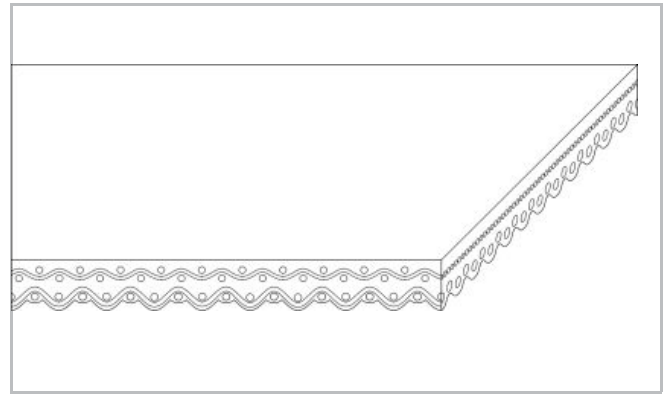
Biscuit and Crackers, Candy, Chocolate, Frozen food, Hygiene products, Poultry, Primary food packaging, Ready meals, Red meat

Applications

Food processing/conveying belt, Incline belt, Weighing belt

Special features

Constant coefficient of friction



Product Construction / Design	
Conveying side material	Silicone (SI)
Conveying side surface	Smooth
Conveying side property	Super-adhesive
Conveying side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	White

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes - acc. to 21CFR parts 170 - 199. Details/restrictions see Habasit food compliance declaration.
Food suitability, USDA recommendations	No use intended

Technical data		
Thickness of belt	1.00 mm	0.04 inch
Mass of belt (belt weight)	1.1 kg/m ²	0.225 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	6.5 N/mm	37 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	4.4 N/mm	25 lbf/in
Min. operating temperature admissible (continuous)	-30 °C	-22 °F
Max. operating temperature admissible (continuous)	80 °C	176 °F
Coefficient of friction (running side / steel driving pulley)	0.10 -	
Coefficient of friction (running side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (running side / pickled steel slider bed)	0.15 -	
Coefficient of friction (running side / phenolic resin slider bed)	0.15 -	
Coefficient of friction (running side / stainless steel slider bed)	0.15 -	
Seamless manufacturing width	2000 mm	79 inch

Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 80
Nosebar radius (minimum)	mm inch	4 0.157
Pulley diameter (minimum)	mm inch	15 0.59
Pulley diameter minimum with counter flection	mm inch	20 0.79
Admissible tensile force per unit of width	N/mm lbf/in	11 63
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	5.5 31
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Power turns / curved installations		No
Nosebar suitable		Yes
Low noise applications		No
Metal detector suitable		Yes

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554).

Chemical resistance

Link to 'Chemical resistance information': <http://www.habasit.com/en/chemical-resistance.htm>

Mode of use or conveyance

Declined, Horizontal, Inclined

Calculations

For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation

Do not go below initial elongation (epsilon) ~ 0.3%, Install the slack belt and tension until running perfectly under the full belt load

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit, Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging.

If High Frequency (HF) system is used check belt heating, Not suitable for wet operations combined with increased temperatures and with extreme greasy and oily conditions, This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 94/9) and therefore is subject to user's analysis in the respective environment, Use of scrapers not recommended

Group	Silicone Belts
Sub-Group	General Purpose Belts
Item number	H700014599

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