Food Belts ST10



Main industry segments

Baked snacks, Biscuit and Crackers, Chocolate, Convenience food

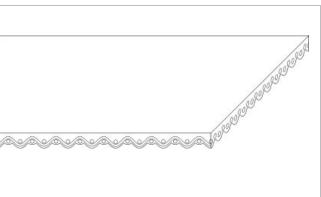
Applications

Biscuit/Cookie pre-oven applications, Powerturn belt

Special features

Abrasion resistant, Flexibility, Flexibility in all directions, Oil and fat resistant, Powerturn suitable





Product Construction / Design				
Conveying side material	Thermoplastic polyurethane (TPU)			
Conveying side surface	Glossy			
Conveying side property	Medium-adhesive			
Conveying side color	White			
Traction layer (material)	Polyester (PET)			
Number of Fabrics	1			
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 - Check Document of Compliance (DoC) in our Portal
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	Yes - Check Document of Compliance (DoC) in our Portal
Other conformance/approval	Japanese Food Regulation (MHLW Notification No. 370)

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Technical data				
Thickness of belt	1.10	mm	0.04	inch
Mass of belt (belt weight)	1.0	kg/m²	0.205	lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	3.8	N/mm	22	lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	2.6	N/mm	15	lbf/in
Min. operating temperature admissible (continuous)	-20	°C	-4	°F
Max. operating temperature admissible (continuous)	80	°C	176	°F
Coefficient of friction (pulley side / steel driving pulley)	0.15	-		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35	-		
Coefficient of friction (pulley side / pickled steel slider bed)	0.20	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.15	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.15	-		
Seamless manufacturing width	2150	mm	84.65	inch
On request other seamless manufacturing width	1530	mm	60	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
Knife-edge (nosebar) radius	mm	3
(minimum)	inch	0.118
Pulley diameter (minimum)	mm	15
	inch	0.59
Pulley diameter minimum with	mm	15
counter flection	inch	0.59
Admissible tensile force per unit of	N/mm	6.0
width	lbf/in	34
Admissible tensile force per unit of	N/mm	4.2
width at max. operating	lbf/in	24
temperature		
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		Yes
Metal detector suitable		Yes

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

Food Belts



Chemical resistance

Link to 'Chemical resistance information': https://rims.habasit.com

Mode of use or conveyance

Horizontal

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%

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. Check Link for Storage requirements:

"https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"

This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group **TPU Belts**

Sub-Group General Purpose Belts

Item number H700001085

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