Food Belts T07/U



Main industry segments

Baked snacks, Biscuit and Crackers, Chocolate, Convenience food, Primary food packaging

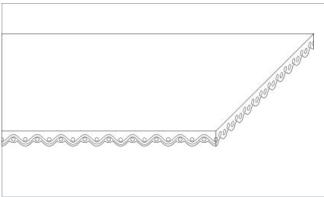
Applications

Chocolate cooling/ embossing, Enrobing belt, Food processing/conveying belt

Special features

Abrasion resistant, Flexibility, Oil and fat resistant, Small pulley diameter suitable





Product Construction / Design			
Conveying side material	Thermoplastic polyurethane (TPU)		
Conveying side surface	Glossy		
Conveying side property	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		

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Technical data					
Thickness of belt	0.65	mm	0.03	inch	
Mass of belt (belt weight)	0.70	kg/m²	0.143	lb/sqft	
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	4.2	N/mm	24	lbf/in	
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	3.0	N/mm	17	lbf/in	
Min. operating temperature admissible (continuous)	-30	°C	-22	°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)	0.20	-			
Coefficient of friction (pulley side / stainless steel slider bed)	0.20	-			
Thermal Resistance	0.010	m²*K/W	0.002	Fft²h/Btu	
Thermal Conductivity	0.056	W/m*K	0.009	W/ft*F	
Seamless manufacturing width	2000	mm	78.74	inch	
On request other seamless manufacturing width	1500	mm	59	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	2
(minimum)	inch	0.079
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	7.0
width	lbf/in	40
Admissible tensile force per unit of	N/mm	4.0
width at max. operating	lbf/in	23
temperature		
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
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). 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.

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Chemical resistance

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

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%

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 H700001154

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