

Food Belts

NT90/F Blue



Main industry segments

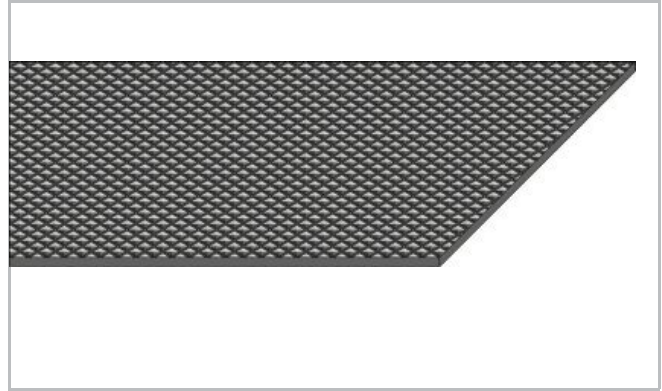
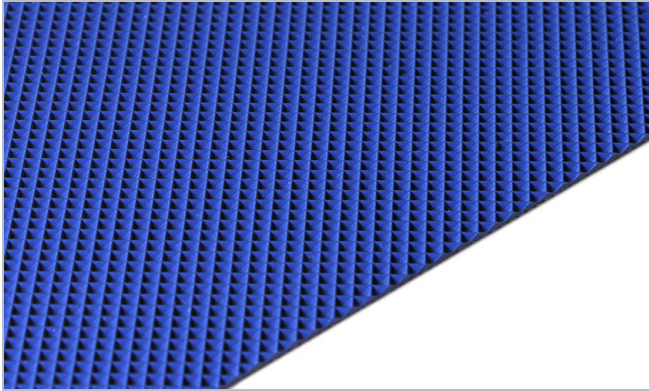
Baked snacks, Biscuit and Crackers, Chocolate, Primary food packaging

Applications

Diverting belt, Packaging belt, Weighing belt

Special features

Abrasion resistant, Constant and gentle positive grip, Elastic, Flexibility, Flexibility in all directions, Non fraying, Oil and fat resistant, Small pulley diameter suitable



Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Inverted pyramid structure
Conveying side property	Non-adhesive
Conveying side color	Cobalt blue
Traction layer (material)	Thermoplastic polyurethane (TPU)
Number of Fabrics	0
Pulley side material	Thermoplastic polyurethane (TPU)
Pulley side surface	Fine textile structure
Pulley side color	Cobalt blue

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
Food suitability, EU conformance	Yes - acc. to Regulation (EC) No. 1935/2004 as well as Regulation (EU) No. 10/2011 and/or other relevant food contact legislation. Details/restrictions see Habasit food compliance declaration.

Technical data		
Thickness of belt	1.10 mm	0.04 inch
Mass of belt (belt weight)	0.95 kg/m ²	0.195 lb/sqft
Tensile force for 8% elongation (k8% static) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	2.4 N/mm	14 lbf/in
Tensile force for 8% elongation after relaxation (k8% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	1.2 N/mm	7 lbf/in
Min. operating temperature admissible (continuous)	-10 °C	14 °F
Max. operating temperature admissible (continuous)	60 °C	140 °F
Coefficient of friction (running side / steel driving pulley)	0.25 -	
Coefficient of friction (running side / driving pulley with friction cover)	0.35 -	
Coefficient of friction (running side / pickled steel slider bed)	0.35 -	
Coefficient of friction (running side / phenolic resin slider bed)	0.40 -	
Coefficient of friction (running side / stainless steel slider bed)	0.35 -	
Seamless manufacturing width	1500 mm	59.06 inch

Joining related properties

Joining method	
Flexproof 20 x 80	Master joining method for standard applications
Flexproof 10 x 80	Master joining method for high stress applications or belt widths < 100 mm / 4 in

[Link to JDS:](#)

Joining method		Flexproof 20 x 80	Flexproof 10 x 80
Pulley diameter (minimum)	mm inch	15 0.59	15 0.59
Pulley diameter minimum with counter flection	mm inch	15 0.59	15 0.59
Admissible tensile force per unit of width	N/mm lbf/in	1.6 9	1.4 8
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	1.6 9	1.4 8
Slider bed suitable		Yes	Yes
Carrying rollers suitable		Yes	Yes
Troughed installation suitable		Yes	Yes
Power turns / curved installations		No	No
Nosebar suitable		No	No
Metal detector suitable		Yes	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

Horizontal

Calculations

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

Recommendation

Elastic belt: Initial elongation depends on belt load and application

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.

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	H700002040

Disclaimer

Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)

This disclaimer is made by and on behalf of Habasit and its affiliated companies, directors, employees, agents and contractors (hereinafter collectively "HABASIT") with respect to the products referred to herein (the "Products"). SAFETY WARNINGS SHOULD BE READ CAREFULLY AND ANY RECOMMENDED SAFETY PRECAUTIONS BE FOLLOWED STRICTLY! Please refer to the Safety Warnings herein, in the Habasit catalogue as well as installation and operating manuals. All indications / information as to the application, use and performance of the Products are recommendations provided with due diligence and care, but no representations or warranties of any kind are made as to their completeness, accuracy or suitability for a particular purpose. The data provided herein are based on laboratory application with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experience may lead to re-assessments and modifications within a short period of time and without prior notice. EXCEPT AS EXPLICITLY WARRANTED BY HABASIT, WHICH WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, THE PRODUCTS ARE PROVIDED "AS IS". HABASIT DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE, ALL OF WHICH ARE HEREBY EXCLUDED TO THE EXTENT ALLOWED BY APPLICABLE LAW. BECAUSE CONDITIONS OF USE IN INDUSTRIAL APPLICATION ARE OUTSIDE OF HABASIT'S CONTROL, HABASIT DOES NOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS, INCLUDING INDICATIONS ON PROCESS RESULTS AND OUTPUT.