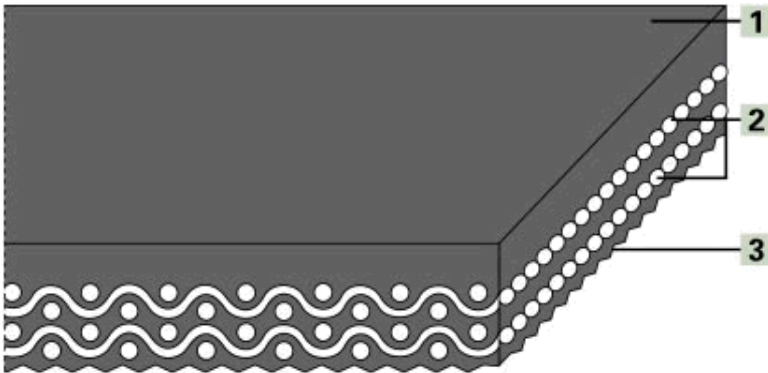


## Product Designation

<b>Product Group:</b>	TPU food conveyor and processing belts
<b>Product Sub-Group:</b>	HyGUARD antimicrobial belts
<b>Main Industry Segments:</b>	Cereal production; Cheese; Convenience food; Frozen food; Pet food; Ready meals
<b>Belt Applications:</b>	Food processing/conveying belt; General conveying belt
<b>Special Features:</b>	Abrasion resistant; Antimicrobially equipped; Contamination evident; Easy release property; Edges wear resistant; Oils and fats resistant; Reverse side coated
<b>Mode of Use/Conveyance:</b>	Accumulation; Horizontal

## Product Design (enlarged)



## Product Construction/Design

<b>1 Conveying Side (Material):</b>	Thermoplastic polyurethane (TPU)
<b>1 Conveying Side (Surface):</b>	Matt
<b>1 Conveying Side (Property):</b>	Non-adhesive
<b>1 Conveying Side (Color):</b>	Cobalt blue
<b>2 Traction Layer (Material):</b>	Polyester (PET) fabric
<b>Number of Fabrics:</b>	2
<b>3 Running Side/Pulley Side (Material):</b>	Thermoplastic polyurethane (TPU)
<b>3 Running Side/Pulley Side (Surface):</b>	Inverted pyramid structure
<b>3 Running Side/Pulley Side (Color):</b>	Cobalt blue

## Product Characteristics

<b>Slider bed suitable:</b>	Yes
<b>Carrying rollers suitable:</b>	Yes
<b>Troughed installation suitable:</b>	No
<b>Power turns, curved installations:</b>	No
<b>Nosebar suitable:</b>	No
<b>Low noise applications:</b>	No
<b>Antistatically equipped:</b>	No
<b>Metal detector suitable:</b>	Yes
<b>Flammability:</b>	No specific flammability prevention property
<b>Food suitability FDA:</b>	Yes - acc. to 21CFR parts 170 - 199. Contact your Habasit representative for detailed information.
<b>Food suitability USDA:</b>	No use intended
<b>Food suitability EU:</b>	Yes - acc. to Regulation (EC) No. 1935/2004 and Regulation (EU) No 10/2011 as amended. Contact your Habasit representative for detailed information.

## Technical Data

<b>Thickness:</b>	2.0 mm	0.08 in.
<b>Mass of belt (belt weight):</b>	2.2 kg/m <sup>2</sup>	0.45 lbs./sq.ft
<b>Nosebar Radius (minimum):</b>	NA mm	NA in.
<b>Pulley diameter (minimum):</b>	20 mm	0.8 in.
<b>Pulley diameter minimum with counter flexion:</b>	30 mm	1.2 in.
<b>Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-064):</b>	6 N/mm	34 lbs./in.
<b>Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):</b>	5 N/mm	29 lbs./in.
<b>Admissible tensile force per unit of width:</b>	10 N/mm	57 lbs./in.
<b>Operating temperature admissible (continuous):</b>	Min -20 °C Max 100 °C	Min -4 °F Max 212 °F
<b>Coefficient of friction on slider bed of pickled steel sheet:</b>	0.5 [-]	0.5 [-]
<b>Seamless manufacturing width:</b>	2000 mm	79 in.

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

## Additional Technical Information

<b>Chemical Resistance Class:</b>	6 (These indications are not guarantees of properties)
<b>Installation and Handling Instructions:</b>	Do not go below initial elongation (epsilon) ~ 0.3%; Install the slack belt and tension until running perfectly under the full belt load.
<b>Limitations:</b>	HyGUARD products are made for limited geographical use and therefore not for export.; Not suitable for wet operations combined with increased temperatures and with extreme greasy and oily conditions.; The use of Habasit HyGUARD antimicrobial food conveyor and processing belts is an important and precautionary step to prevent microbial growth.; The use of Habasit HyGUARD belts does not free you from usual controlling and cleaning and sanitary measures.; Use cleaning agent as prescribed by the machine or cleaning agent manufacturer.; 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.

## Storage

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.

## Legend

*	No calculation Value
2)	Product containing different coating materials such as elastomer, natural fibers, silicones, etc., are not subject to the directive 2002/72/EC
3)	CLA: Coordination of the centre line-average value Ra (in the US also Arithmetical Average (AA)) to the maximum peak to valley height Rt for surfaces manufactured by chip removal.
8)	Due to high coefficient of friction of running/pulley side, the suitability for use on slider beds is limited German federal institute for risk assessment (Bundesinstitut fuer Risikobewertung)
EEC	European Economic Community
EU	European Union (Directive 2002/72/EC)
FDA	Food and Drug Administration
NA	Not available
NAP	Not applicable
USDA	United States Department of Agriculture (Food Safety and Inspection Service, Washington D.C.)

## Disclaimer

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

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