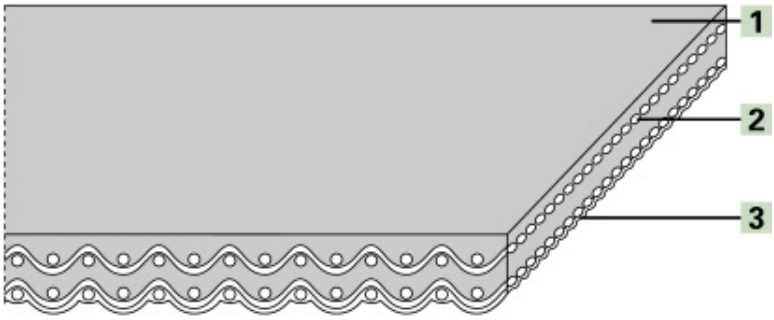
HabaFLOW Product Data Sheet
ENB-12ERCH

Product Designation

Product Group:	Extraline conveyor and processing belts
Product Sub-Group:	Forming belts
Main Industry Segments:	Board manufacturing; Food conveying/processing in general; Materials Handling; Packaging; Wood
Belt Applications:	Food processing/conveying belt; Forming line/spreading belt; Line belt; Metering/singulation belt; Miniconveyor belt; Packaging belt
Special Features:	High hydrolysis resistant; Longitudinal flexibility and transversal stability
Mode of Use/Conveyance:	Horizontal; Inclined

Product Design (enlarged)



Product Construction/Design

1	**Conveying Side (Material):**	Thermoplastic polyurethane (TPU)
1	**Conveying Side (Surface):**	Matt
1	**Conveying Side (Property):**	Non-adhesive
1	**Conveying Side (Color):**	Cobalt blue
2	**Traction Layer (Material):**	Polyester (PET) fabric
	Number of Fabrics:	2
3	**Running Side/Pulley Side (Material):**	Polyester (PET) fabric
3	**Running Side/Pulley Side (Surface):**	Impregnated fabric
3	**Running Side/Pulley Side (Color):**	White

Product Characteristics

Slider bed suitable:	Yes
Carrying rollers suitable:	Yes
Power turns, curved installations:	No
Nosebar suitable:	Yes
Antistatically equipped:	Yes
Metal detector suitable:	Yes
Flammability:	No specific flammability prevention property
Food suitability FDA:	Yes - acc. to 21CFR parts 170 - 199. Contact your Habasit representative for detailed information.
Food suitability USDA:	No use intended
Food suitability EU:	Yes - acc. to Regulation (EC) No. 1935/2004 and Directive 2002/72/EC as amended. Contact your Habasit representative for detailed information.

Technical Data

Thickness:	1.7 mm	*0.07 in.*
Mass of belt (belt weight):	1.9 kg/m²	*0.39 lbs./sq.ft*
Nosebar Radius (minimum):	7 mm	*0.28 in.*
Pulley diameter (minimum):	15 mm	*0.6 in.*
Pulley diameter minimum with counter flection:	40 mm	*1.6 in.*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit Standard SOP3-155 / EN ISO21181):	13 N/mm	*74 lbs./in.*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	9 N/mm	*51 lbs./in.*
Admissible tensile force per unit of width:	N/mm	*206 lbs./in.*
Operating temperature admissible (continuous):	Min 0 °C Max 70 °C	*Min 32 °F* *Max 158 °F*
Coefficient of friction on slider bed of pickled steel sheet:	0.20 [-]	*0.2 [-]*
Seamless manufacturing width:	4000 mm	*157 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

Chemical Resistance Class:	6 (These indications are not guarantees of properties)
Installation and Handling Instructions:	Do not go below initial elongation (epsilon) ~ 0.3%
Limitations:	High frequency system HF: Check belt heating! If belt heats up sawdust or fibres will stick

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.)

Product Liability, Application Considerations

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