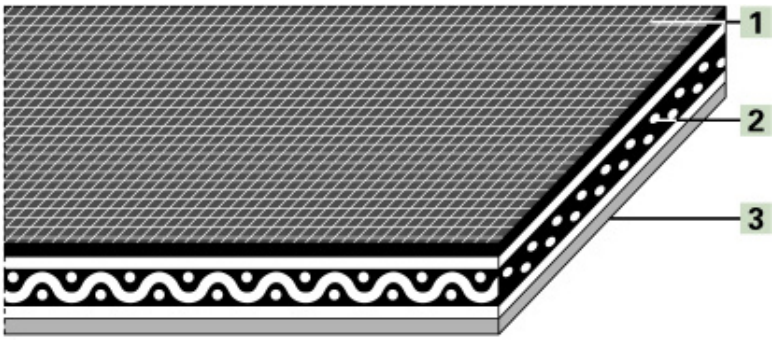
HabaDRIVE Product Data Sheet
TC-35EFQO

Product Designation

Product Group:	Polyester power transmission belts
Product Sub-Group:	TC tangential/flat belts
Main Industry Segments:	Yarn processing
Belt Applications:	OE rotor spinning
Special Features:	Constant coefficient of friction; Dimensionally stable; Energy saving; High modulus of elasticity; Simple and fast joining method; Low-aging
Mode of Use/Conveyance:	Power transmission

Product Design (enlarged)



Product Construction/Design

1	**Friction cover/Pulley side (Material):**	Rubber (QL)
1	**Friction cover/Pulley side (Surface structure):**	Fine structure
1	**Friction cover/Pulley side (Color):**	Yellow
2	**Traction Layer (Material):**	Polyester (PET)
3	**Reverse cover (Material):**	Rubber (QL)
3	**Reverse cover (Surface structure):**	Fine structure
3	**Reverse cover (Color):**	Red

Product Characteristics

Drive determination:	Double-sided power transmission
Antistatically equipped:	Yes

Technical Data

Thickness:	2.5	mm	*0.1*	*in.*
Mass of belt (belt weight):	2.7	kg/m²	*0.55*	*lbs./sq.ft*
Pulley diameter minimum with counter flection:	50	mm	*2*	*in.*
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013):	18	N/mm	*103*	*lbs./in.*
Nominal peripheral force per unit of width:		N/mm	*7*	*lbs./in.*
Operating temperature admissible (continuous):	Min -20 Max 70	°C °C	*Min -4* *Max 158*	*°F* *°F*
Seamless manufacturing width:	1100	mm	*43*	*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:	2 (These indications are not guarantees of properties)
Installation and Handling Instructions:	Follow the Installing and Maintenance Instructions which are supplied with each product delivery.
Limitations:	Do not twist or fold belt; Do not force belt on pulleys; Keep belt edges free of any installation/machine contact; 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
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
EEC	European Economic Community
NAP	Not applicable

Product Liability, Application Considerations

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