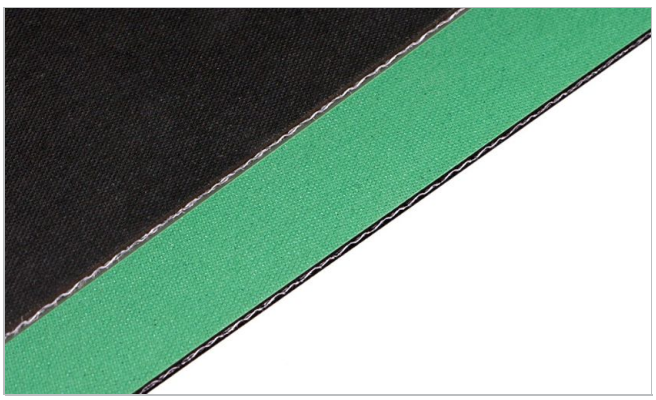
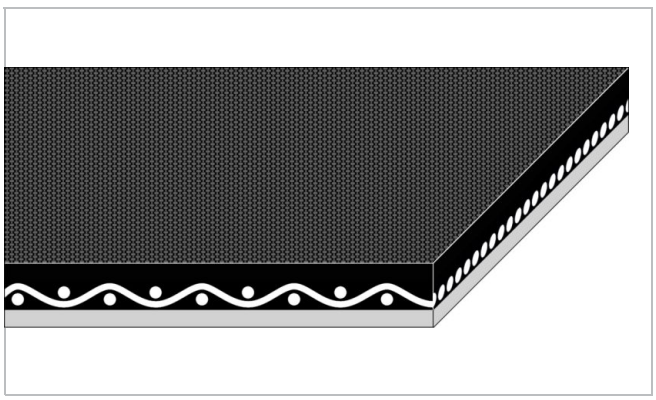
Power Transmission Belts
TL-55/30ER

Main industry segments
Yarn processing

Applications
Driving belt, Tangential belt

Special features
Abrasion resistant, Adhesive-free joint, Constant coefficient of friction, Dimensionally stable, Energy saving, High modulus of elasticity, Outstanding flex-fatigue, Simple and fast joining method





Product Construction / Design	
Pulley side material	Habidur
Pulley side surface	Rough structure
Pulley side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Opposite side material	Habidur
Opposite side surface	Rough structure
Opposite side color	Green

Product characteristics	
Drive determination	Double-sided power transmission
Antistatically equipped	Yes
Adhesive free joining method	Yes
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data				
Thickness of belt	3.0	mm	*0.118*	*inch*
Mass of belt (belt weight)	3.2	kg/m²	*0.655*	*lb/sqft*
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	25	N/mm	*143*	*lbf/in*
Nominal peripheral force per unit of width	53	N/mm	*303*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	70	°C	*158*	*°F*
Seamless manufacturing width	1100	mm	*43.31*	*inch*

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

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Joining related properties
Link to JDS:

Joining method		Flexproof 10 x 120
Pulley diameter (minimum)	mm *inch*	70 *2.76*
Pulley diameter minimum with counter flection	mm *inch*	70 *2.76*

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

Mode of use or conveyance
Power transmission

Calculations
With power transmission belts a calculation at least of the belt width and initial elongation is highly recommended. For this serves the Habasit SeleCalc calculation program. The easiest way is to have belt drives calculated by Habasit representatives.

Recommendation
Follow the Installing and Maintenance Instructions which are supplied with each product delivery

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! Check Link for Storage requirements:
"https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"

Do not force belt on pulleys, Do not twist or fold belt, 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 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group	Polyester Power Transmission Belts
	TL Polyester Power Transmission Belts
Item number	H950023039

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