Power Transmission Belts TC-55ER



Main industry segments

Yarn processing

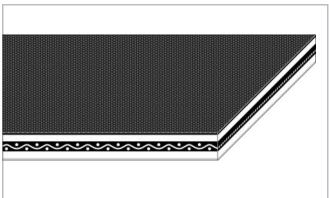
Applications

Driving belt, Tangential belt

Special features

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





Product Construction / Design	
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)
Pulley side surface	Rough structure
Pulley side color	Black
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Opposite side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (whirl side)
Opposite side surface	Rough structure
Opposite side color	Light 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	0.12	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	inch

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

Power Transmission Belts TC-55FR



Joining related properties

Link to JDS:

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

Chemical resistance

Link to 'Chemical resistance information': http://www.habasit.com/en/chemical-resistance.htm

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

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.

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 94/9) and therefore is subject to user's analysis in the respective environment

Group Polyester Power Transmission Belts Sub-Group TC Polyester Power Transmission Belts

H010100944 Item number

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