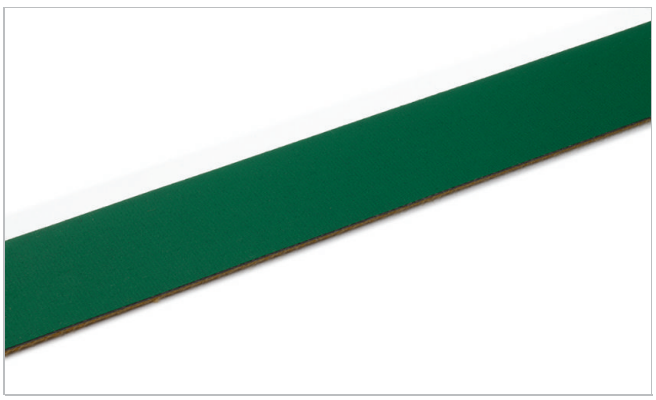
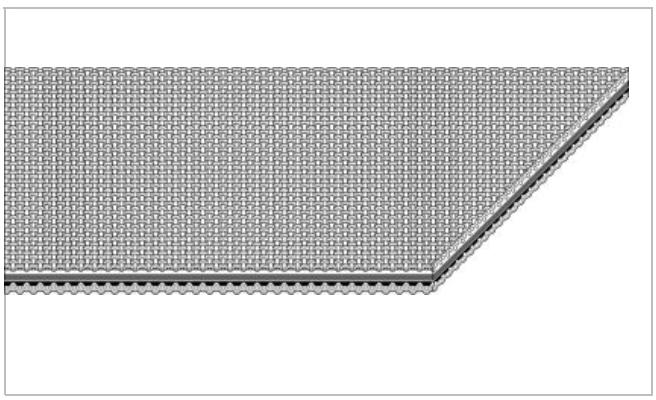
Spindle Tapes
TS-55

Main industry segments
Paper manufacturing and processing, Yarn processing

Applications
Machine tape, Spindle drive

Special features
Abrasion resistant, Antistatic, Constant coefficient of friction, High reliability, High temperature resistant, Low elasticity, Robustness, Uniform yarn quality





Product Construction / Design	
Spindle side material	Polyamide (PA)/Cotton (CO) fabric as friction cover (whirl side)
Spindle side surface	Fabric
Spindle side color	Yellow
Traction layer (material)	Polyamide (PA) foil
Pulley side material	Acrylonitrile-Butadiene-Rubber (NBR) as friction cover (pulley/cylinder side)
Pulley side surface	Sand finish
Pulley side color	Green

Product characteristics	
Drive determination	1- / 2- / or 4-spindle ring spinning frames
Antistatically equipped	Yes
Adhesive free joining method	No
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

Technical data				
Thickness of belt	0.85	mm	*0.03*	*inch*
Mass of belt (belt weight)	0.80	kg/m²	*0.164*	*lb/sqft*
Tensile force for 1% elongation (k1% after running in) per unit of width (Habasit standard SOP3-013)	2.4	N/mm	*14*	*lbf/in*
Nominal peripheral force per unit of width	6.5	N/mm	*37*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	100	°C	*212*	*°F*
Seamless manufacturing width	1200	mm	*47.24*	*inch*

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

Joining related properties

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Link to JDS:

Joining method		Thermofix
Pulley diameter (minimum)	mm *inch*	25 *0.98*
Pulley diameter minimum with counter flection	mm *inch*	25 *0.98*

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

Mode of use or conveyance
Power transmission, Spindle drive

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
Observe the indications of the machine handbook from the machine manufacturers

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.

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, When changing the direction of rotation (S/Z direction of rotation) the spindle tape can run off the driving pulley

Group	Polyamide Spindle Tapes
Sub-Group	TS Polyamide Spindle Tapes
Item number	H010100232