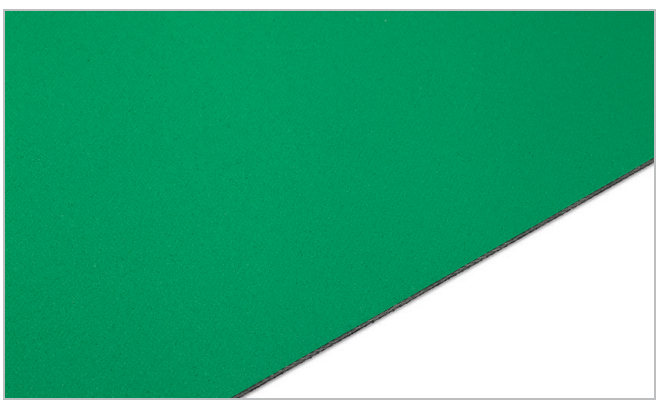
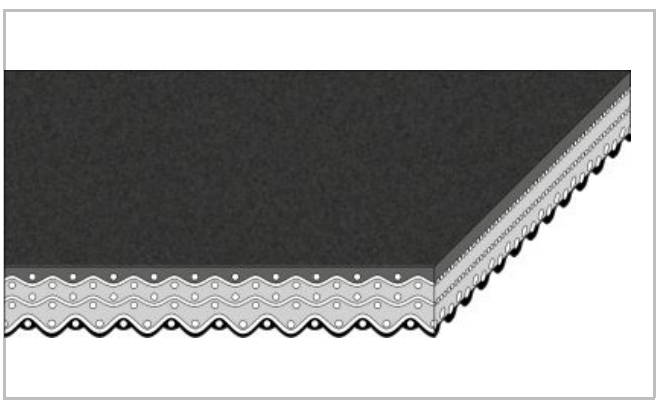
Processing Belts
HAM-5P

Main industry segments
Materials Handling, Paper converting, Paper manufacturing, Paper manufacturing and processing, Paper printing and finishing

Applications
Paper handling belt, Processing belt

Special features
Chemical resistant, Constant coefficient of friction, Forgiving in case of short term shock like overloads, Oil resistant





Product Construction / Design	
Conveying side material	Acrylonitrile-Butadiene-Rubber (NBR)
Conveying side surface	Matt
Conveying side property	Adhesive
Conveying side color	Green (Habasit green)
Traction layer (material)	Polyamide (PA)
Number of Fabrics	3
Pulley side material	Polyurethane cross-linked (PUR)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes
Adhesive free joining method	No
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

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Technical data				
Thickness of belt	1.00	mm	*0.04*	*inch*
Mass of belt (belt weight)	0.95	kg/m²	*0.195*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155):	3.6	N/mm	*21*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181):	1.6	N/mm	*9*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	100	°C	*212*	*°F*
Coefficient of friction (running side / steel driving pulley)	0.15	-		
Coefficient of friction (running side / driving pulley with friction cover)	0.35	-		
Coefficient of friction (running side / pickled steel slider bed)	0.20	-		
Coefficient of friction (running side / phenolic resin slider bed)	0.20	-		
Coefficient of friction (running side / stainless steel slider bed)	0.15	-		
Seamless manufacturing width	1200	mm	*47*	*inch*

Joining related properties
Link to JDS:
http://pdchmp04.habasit.com/HNET/fabren.nsf/vwGetJDS?OpenView&productCode=HAM-5P

Joining method	Unit	Thermofix	Clipper #25
Pulley diameter (minimum)	mm *inch*	20 *0.79*	25 *0.98*
Pulley diameter minimum with counter flection	mm *inch*	25 *0.98*	25 *0.98*
Admissible tensile force per unit of width	N/mm *lbf/in*	8.0 *46*	
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	8.0 *46*	
Slider bed suitable		Yes	Yes
Carrying rollers suitable		No	No
Troughed installation suitable		No	No
Power turns / curved installations		No	No
Nosebar suitable		No	No
Low noise applications		No	No
Metal detector suitable		No	No

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

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

Mode of use or conveyance
Horizontal, Inclined

Calculations
For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation
Do not go below initial elongation (epsilon) ~ 0.5%, Install the slack belt and tension until running perfectly under the full belt load

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

Group	Elastomer Covered Conveying Belts
Sub-Group	-
Item number	H010100230
Customs tariff number	59032000