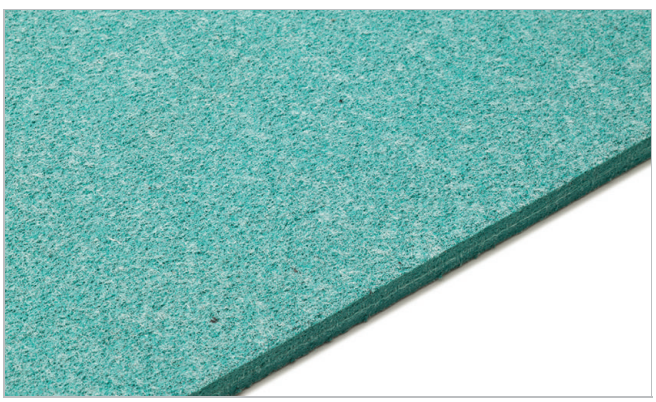
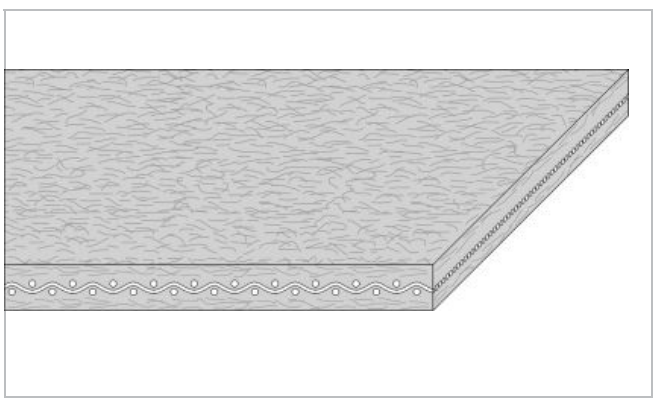
Heavy Conveyor Belts
UM220-G

Main industry segments
Airport, Car assembly, Cardboard converting, Cardboard manufacturing, Glass, Metal sheets and components, Plastics, Tire, Wood panel and boards, Wood surfacing

Applications
Bridge elevator belt, Cutter belt, Magnetic conveyor belt, Powerturn belt, Stamping belt

Special features
Abrasion resistant on both sides, Adhesive-free joint, Cut resistant, Edges wear resistant, Flexibility in all directions, Good lace retention, High lateral stability, Impact resistant, Low friction conveying side, Low friction running side, Low noise applications suitable, No delamination, Non fraying, Non-marking, Oil resistant, Reverse bending, Solvent resistant, Special oil resistance for metal working





Product Construction / Design	
Conveying side material	Polyester (PET) fleece
Conveying side surface	Impregnated fleece
Conveying side property	Non-adhesive
Conveying side color	Light green
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Polyester (PET) fleece
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Light green

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Ja
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, EU conformance	No

This product may not be suitable for tracking in the reverse direction. Please test on the specific conveyor.

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Technical data				
Thickness of belt	6.0	mm	*0.236*	*tommer*
Mass of belt (belt weight)	3.4	kg/m²	*0.692*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	22	N/mm	*126*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	7.0	N/mm	*40*	*lbf/in*
Min. operating temperature admissible (continuous)	-12	°C	*10*	*°F*
Max. operating temperature admissible (continuous)	80	°C	*176*	*°F*
Coefficient of friction (pulley side / steel driving pulley)	0.20	-		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35	-		
Coefficient of friction (pulley side / pickled steel slider bed)	0.35	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.30	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.25	-		
Air permeability (200 Pa)	83	m³/m²/h		
Seamless manufacturing width	2007	mm	*79.00*	*tommer*
On request other seamless manufacturing width	1524	mm	*60*	*tommer*

Air Permeability - Measure according to DIN ISO 9237 / ASTM D737: @200 Pa = 23 L.sec-1/sq.m; Pa = Pressure in Pascals (100 Pa = 1 mbar).

Joining related properties

Joining method	
Hidden Flex 20 x 80	Master joining method for standard applications
Flexproof 20 x 80	Optional joining method
Thermofix	Optional joining method
Clipper #3	Optional joining method

Link to JDS:

Joining method		Hidden Flex 20 x 80	Flexproof 20 x 80	Thermofix	Clipper #3
Pulley diameter (minimum)	mm *tommer*	102 *4.00*	102 *4.00*	102 *4.00*	90 *3.54*
Pulley diameter minimum with counter flection	mm *tommer*	102 *4.00*	102 *4.00*	102 *4.00*	90 *3.54*
Admissible tensile force per unit of width	N/mm *lbf/in*	14 *82*	17 *97*		17 *97*
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	8.6 *49*	6.0 *34*		17 *97*
Slider bed suitable		Yes	Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes	Yes
Troughed installation suitable		No	No	No	No
Powerturns / curved installations		Yes	Yes	Yes	Yes
Knife-edge (nosebar) suitable		No	No	No	No
Low noise applications		Yes	Yes	Yes	Yes
Designed for metal detector transparency		Yes	Yes	Yes	No

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

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Chemical resistance
Link til informasjon om kemisk resistens https:/rims.habasit.com

Mode of use or conveyance
Carrying roller, Curved, Horizontal, Side loading, Slider bed

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) ~ 0.3%

Check Link for Storage requirements:
"https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"

Exposure to water may cause a foaming on the surface of the belt. This does not affect the physical properties of the belt but could result in a residue left on the conveyed articles. This residue is easily cleaned by use of a damp cloth

Group	Nonwoven Belts
	Rubber Saturated Ulti-Mate Belts
Del nummer	H250000525

Ansvarsfraskrivelse
Ansvarsfraskrivelse for produktanvendelse (gælder for ALLE Habasit produkter og nævnt på alle produktdatablade)
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DISSE PRODUKTER OMFATTES AF HABASITS UDTRYKTE GARANTI, SOM ER DEN ENESTE GÆLDENDE GARANTI OG ERSTATTER ALLE ANDRE EVENTUELLE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE. HABASIT FRASKRIVER SIG ALT ANSVAR FOR ALLE ANDRE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE, INKLUSIVE, DOG UDEN AT BEGRÆNSES DERTIL, UNDERFORSTÅEDE GARANTIER OM SALGBARHED, EGNETHED TIL ET BESTEMT FORMÅL, AT PRODUKTERNE IKKE STRIDER MOD NOGLE REGLER, SAMT GARANTIER SOM FØLGE AF AFTALE, ANVENDELSE ELLER HANDEL. DETTE FORBEHOLD GÆLDER I DEN UDSTRÆKNING SOM LOVEN TILLADER. DA FORUDSÆTNINGERNE FOR ANVENDELSE ER UDEN FOR HABASITS KONTROL, KAN VI IKKE TAGE NOGET ANSVAR FOR DE NÆVNTE PRODUKTERS EGNETHED ELLER PROCESTILPASNING. DETTE FORBEHOLD GÆLDER OGSÅ FOR INDIKATIONER FRA PROCESRESULTATER OG OUTPUT.