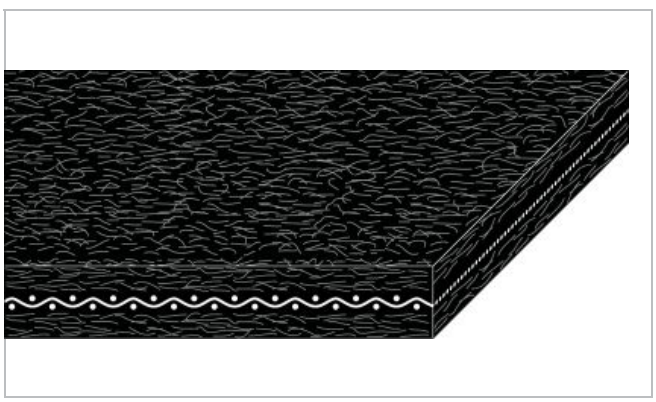
Heavy Conveyor Belts
UM220SC-B 18

Main industry segments
Cardboard converting, Cardboard manufacturing, Distribution centers, Plastics, Wood panel and boards, Wood surfacing

Applications
Powerturn belt, Processing belt, Punching belt, Stamping belt

Special features
Abrasion resistant on both sides, Adhesive-free joint, Antistatic, Chemical resistant, Cut resistant, Flexibility in all directions, Good lace retention, Impact resistant, No delamination, Non-marking, Oil resistant, Powerturn suitable, Solvent resistant, Special oil resistance for metal working



Product Construction / Design	
Conveying side material	Polyester (PET) fleece
Conveying side surface	Buffed finish
Conveying side property	Non-adhesive
Conveying side color	Black
Traction layer (material)	Polyester (PET) scrim
Number of Fabrics	1
Pulley side material	Polyester (PET) fleece
Pulley side surface	Buffed finish
Pulley side property	Non-adhesive
Pulley side color	Black

Product characteristics	
Antistatically equipped	Yes - fulfills EN 12882 / Categorie 1
Adhesive free joining method	Yes
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	No
Food suitability, USDA recommendations	No use intended
Food suitability, EU conformance	No

Heavy Conveyor Belts
UM220SC-B 18

Technical data				
Thickness of belt	5.6	mm	*0.22*	*inch*
Mass of belt (belt weight)	3.4	kg/m²	*0.700*	*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)	0.30	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.25	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.20	-		
Seamless manufacturing width	2007	mm	*79.00*	*inch*
On request other seamless manufacturing width	1524	mm	*60*	*inch*

Joining related properties

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

Link to JDS:

Joining method		Hidden Flex 20 x 80	Thermofix	Clipper #3
Pulley diameter (minimum)	mm *inch*	102 *4.00*	102 *4.00*	90 *3.54*
Pulley diameter minimum with counter flection	mm *inch*	102 *4.00*	102 *4.00*	90 *3.54*
Admissible tensile force per unit of width	N/mm *lbf/in*	13 *73*		
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	7.2 *41*		
Slider bed suitable		Yes	Yes	Yes
Carrying rollers suitable		Yes	Yes	Yes
Troughed installation suitable		No	No	No
Powerturns / curved installations		Yes	Yes	Yes
Knife-edge (nosebar) suitable		No	No	No
Low noise applications		Yes	Yes	Yes
Metal detector suitable		No	No	Yes

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.

Heavy Conveyor Belts
UM220SC-B 18

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

Mode of use or conveyance
Carrying roller, Curved, Horizontal, 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%, Install the slack belt and tension until running perfectly under the full belt load

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
Sub-Group	Rubber Saturated Ulti-Mate Belts
Item number	H250000523