

Processing Belts

NAJ-20EHAV



Main industry segments

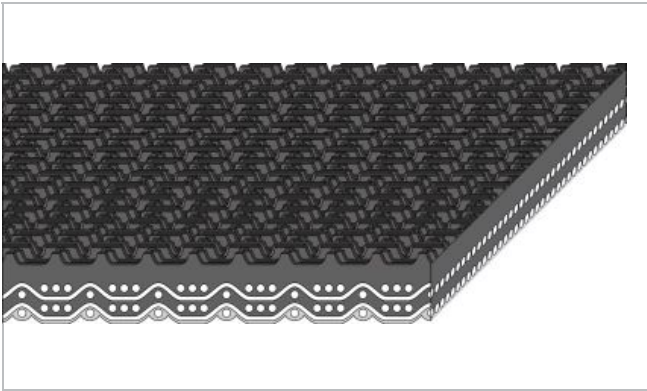
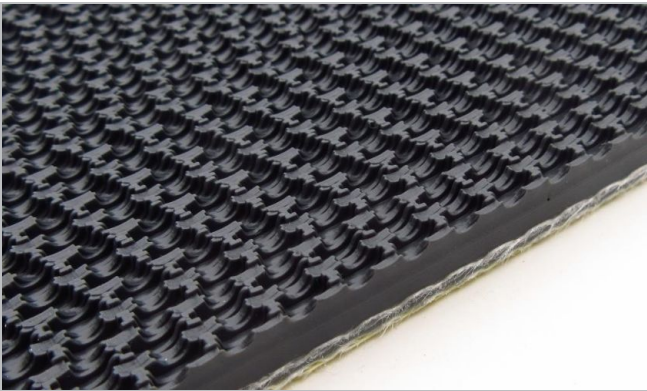
Marble and stone

Applications

Cutter belt

Special features

Cut resistant, High strength, Water resistant



Product Construction / Design	
Conveying side material	Polyvinylchloride (PVC)
Conveying side surface	Jink wave (sine wave) structure
Conveying side property	Adhesive
Conveying side color	Anthracite
Traction layer (material)	Polyester (PET)
Number of Fabrics	2
Pulley side material	Polyester (PET)
Pulley side surface	Impregnated fabric
Pulley side property	Non-adhesive
Pulley side color	Yellow

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

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Technical data			
Thickness of belt	8.6	mm	0.339 inch
Mass of belt (belt weight)	8.5	kg/m ²	1.741 lb/sqft
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	39	N/mm	223 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	20	N/mm	114 lbf/in
Min. operating temperature admissible (continuous)	-10	°C	14 °F
Max. operating temperature admissible (continuous)	70	°C	158 °F
Coefficient of friction (pulley side / steel driving pulley)	0.15	-	
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35	-	
Coefficient of friction (pulley side / pickled steel slider bed)	0.20	-	
Coefficient of friction (pulley side / phenolic resin slider bed)	0.15	-	
Coefficient of friction (pulley side / stainless steel slider bed)	0.15	-	
Seamless manufacturing width	2450	mm	96.46 inch

Joining related properties

Joining method	
Flexproof 10 x 120	Master joining method for standard applications

[Link to JDS:](#)

Joining method		Flexproof 10 x 120
Pulley diameter (minimum)	mm inch	250 9.84
Pulley diameter minimum with counter flexion	mm inch	250 9.84
Admissible tensile force per unit of width	N/mm lbf/in	40 228
Admissible tensile force per unit of width at max. operating temperature	N/mm lbf/in	21 120
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Troughed installation suitable		No
Powerturns / curved installations		No
Knife-edge (nosebar) suitable		No
Low noise applications		No
Designed for metal detector transparency		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.

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Chemical resistance

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

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) ~ 0.3%

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! Check Link for Storage requirements:

["https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"](https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf)

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

Group	Marble Belts
	-
Item number	H950027315

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