

Seamless Belts

P1.5PP 2.0S/0.0-W



Main industry segments

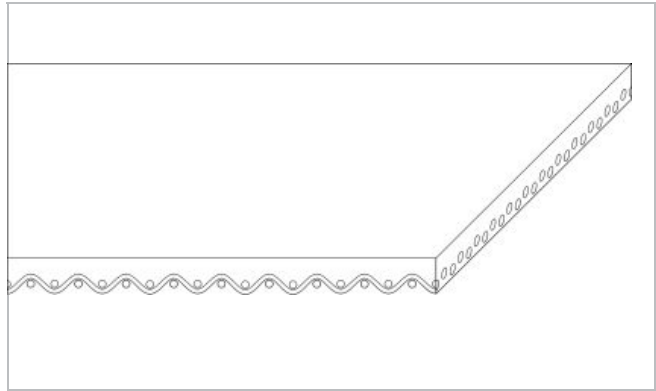
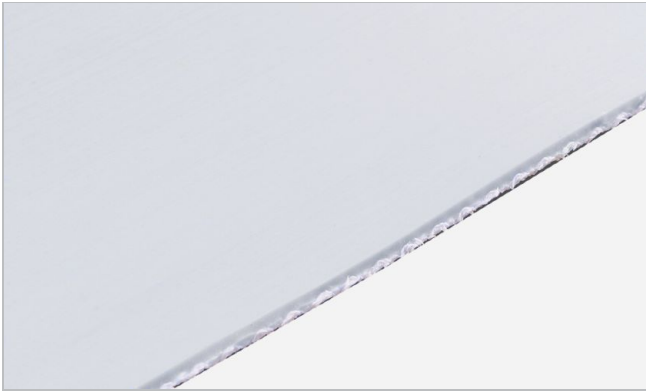
Biscuit and Crackers, Chemical industry, Chocolate, Frozen food

Applications

Delivery belt, Food processing/conveying belt, Incline belt, Processing belt, Shrink wrap, Weighing belt

Special features

Chemical resistant, Constant coefficient of friction, Dimensionally stable, Longitudinal flexibility



Product Construction / Design	
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	White
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Conveying side material	Silicone (SI)
Conveying side surface	Smooth
Conveying side property	Super-adhesive
Conveying side color	White

Product characteristics	
Slider bed suitable	Yes
Carrying rollers suitable	Yes
Antistatically equipped	No
Metal detector suitable	Yes
Food suitability, FDA conformance	Yes - acc. to 21CFR parts 170 - 199. Details/restrictions see Habasit food compliance declaration.
Food suitability, EU conformance	No

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Technical data			
Hardness	55	ShA	
Thickness of belt	3.5	mm	0.14 inch
Mass of belt (belt weight)	3.4	kg/m ²	0.696 lb/sqft
Pulley diameter (minimum)	15	mm	0.59 inch
Pulley diameter minimum with counter flection	25	mm	0.98 inch
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	4.8	N/mm	27 lbf/in
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	1.8	N/mm	10 lbf/in
Min. operating temperature admissible (continuous)	-30	°C	-22 °F
Max. operating temperature admissible (continuous)	160	°C	320 °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)	0.20	-	
Coefficient of friction (pulley side / stainless steel slider bed)	0.20	-	
Seamless manufacturing width	2000	mm	78.74 inch
On request other seamless manufacturing width		mm	inch

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>

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%

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit

Group	Endless Woven Belts
Sub-Group	Silicone Belts
Item number	H800040482

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