

Seamless Belts

SI0084H



Main industry segments

Packaging, Plastics Industry

Applications

Shrink wrap, UV and infrared drying

Special features

Chemical resistant, Constant coefficient of friction, Dimensionally stable, Easy release property, Longitudinal flexibility, Seamless construction (no splice)

Product Construction / Design	
Pulley side material	Aramid fabric
Pulley side surface	Fine structure
Pulley side property	Non-adhesive
Pulley side color	Red
Traction layer (material)	Aramid fabric
Number of Fabrics	1
Conveying side material	Silicone (SI)
Conveying side surface	Fine textile structure
Conveying side property	Adhesive
Conveying side color	Red

Product characteristics	
Slider bed 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

Technical data		
Thickness of belt	0.64 mm	0.03 inch
Pulley diameter (minimum)	6 mm	0.25 inch
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	9.0 N/mm	50 lbf/in
Min. operating temperature admissible (continuous)	-51 °C	-60 °F
Max. operating temperature admissible (continuous)	274 °C	525 °F
Seamless manufacturing width	216 mm	9 inch
On request further seamless manufacturing width	241 mm	10 inch

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

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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	SI0084H
Customs tariff number	59100000

Disclaimer

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