Technical datasheet

Flexam SW100 00+03 black M2

Article code: SBAS589548

General information

Product group	Synthetic Belts
Industry segment	Logistics: Distribution & warehousing
Main product feature	Impact resistant, Low friction back side
Indication of use	Flat, Slider bed, Rollers

Belt construction

Tension layer		polyester, flexible
Number of plies		1
Top side	**material**	Flexam, PVC
	finish	smooth, M2 Matt finish
	color	black
Bottom side	**material**	Flexam, PVC
	finish	Brushed
	color	black

Characteristics

Food Grade (FG)	no	
Antistatic (AS)	no	
High conductive (HC)	no	
Flame-retardant (FR)	yes	ASTM D-378
ATEX approval	no	

Technical data

Hardness	ISO 868	top side	80A	Shore		
Force at 1% elongation (static)	ISO 21181		17	N/mm	97.07	lbs/in.
Elastic modulus (k1% relaxed)	ISO 21181		8	N/mm	45.68	lbs/in.
Tensile strength	KV.006		170	N/mm	970.73	lbs/in.
Working tension at 2%			18	N/mm	102.78	lbs/in.
Thickness	AB method KV.002	total	3.40	mm	0.13	in.
		top cover	0.30	mm	0.01	in.
Weight	AB method KV.004		3.5	kg/m²	0.72	lbs/ft²
Coefficient of friction	bottom against steel	dynamic	0.2			
		static	0.25			
	top against steel	dynamic	0.4			
		static	0.5			
Operating temperature	continuous	from / to	-15 / 82	°C	5 / 179.6	°F
	short	from / to	-18 / 82	°C	-0.4 / 179.6	°F
Minimum pulley diameter	flexing		60	mm	2.36	in.
	backflexing		70	mm	2.76	in.
Manufacturing width	standard		2400	mm	94.49	in.
	maximum		2400	mm	94.49	in.

Fabrication

Hot splicing is always preferable. Glueing can only be done when the belt is exposed to normal temperature and the humidity is not excessive.

For the working method, consult the splice information and the equipment literature. Apply the recommended splice as indicated in the seperate information.

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Additional information
This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.
We recommend to keep the belt tension to a practical working minimum to maximize the service life of the belt and machine parts.
Always protect belts from sunlight/UV-radiation, avoid temperatures below 10°C and above 40°C, dust and dirt. Store belts in a cool and dry place and if possible in their original packaging.
For details consult 'Storage and handling instructions' or contact our specialist.

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