

Flexam SW200 00+01 black

Article code: SBAS589561

General information

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

Belt construction

Tension layer		polyester spun, flexible
Number of plies		1
Top side	material	Flexam, PVC
	finish	impregnated fabric
	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	no	
	yes	ASTM D-378
ATEX approval	no	

Technical data

Force at 1% elongation (static)	ISO 21181		28 N/mm	159.88 lbs/in.
Elastic modulus (k1% relaxed)	ISO 21181		11 N/mm	62.81 lbs/in.
Tensile strength	KV.006		280 N/mm	1598.84 lbs/in.
Rated working tension at 2%			35 N/mm	199.86 lbs/in.
Thickness	AB method KV.002	total	5.4 mm	0.21 in.
Weight	AB method KV.004		5.8 kg/m ²	1.19 lbs/ft ²
Coefficient of friction	bottom against steel	dynamic	0.2	
		static	0.25	
	top against steel	dynamic	0.3	
		static	0.4	
Operating temperature	continuous	from / to	-15 / 80 °C	5 / 176 °F
	short	from / to	-15 / 100 °C	5 / 212 °F
Minimum pulley diameter	flexing		150 mm	5.91 in.
	backflexing		150 mm	5.91 in.
Manufacturing width	standard		2000 mm	78.74 in.
	maximum		2000 mm	78.74 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 separate information.

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.