Technical datasheet

Flexam EX 10/2 0+05 black M2 AS FR

Article code: SBFL574601

General information

Product group	Synthetic Belts
Industry segment	Airports; Logistics: Distribution & warehousing
Main product feature	Antistatic, Flame retardant, Low noise, Energy saving
Indication of use	Slider bed, Rollers, Flat

Belt construction

Tension layer		polyester, stable
Number of plies		2
Top side	**material**	Flexam, PVC
	finish	smooth, M2 Matt finish
	color	black
Bottom side	**material**	fabric, polyester
	finish	bare fabric
	color	natural

Characteristics

Food Grade (FG)	no	
Antistatic (AS)	yes	ISO 21178
High conductive (HC)	no	
Flame-retardant	yes	ISO 340
	yes	ASTM D-378
ATEX approval	yes	ATEX II - KEMA 05ATEX2164 U

Technical data

Hardness	ISO 868	top side	80A	Shore		
Force at 1% elongation (static)	ISO 21181		10	N/mm	57.1	lbs/in.
Elastic modulus (k1% relaxed)	ISO 21181		6.5	N/mm	37.12	lbs/in.
Thickness	AB method KV.002	total	2.50	mm	0.1	in.
		top cover	0.50	mm	0.02	in.
Weight	AB method KV.004		2.9	kg/m²	0.59	lbs/ft²
Coefficient of friction	bottom against steel	dynamic	0.15			
		static	0.17			
	top against steel	dynamic	0.4			
		static	0.5			
Operating temperature	continuous	from / to	-15 / 80	°C	5 / 176	°F
	short	from / to	-15 / 100	°C	5 / 212	°F
Minimum pulley diameter	flexing		60	mm	2.36	in.
	backflexing		80	mm	3.15	in.
Manufacturing width	standard		2020	mm	79.53	in.
	maximum		3000	mm	118.11	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.

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.