

Flexam EE / 1 0+A21 black AS FR

Article code: SBFL585021

General information

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

Belt construction

Tension layer		polyester, stable
Number of plies		1
Top side	material	Flexam, PVC
	finish	profile, A21 Fine diamond profile
	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	no	
	yes	ASTM D-378
ATEX approval	no	

Technical data

Hardness	ISO 868	top side	45A Shore	
Thickness	AB method KV.002	total	1.95 mm	0.08 in.
		top cover	0.85 mm	0.03 in.
Weight	AB method KV.004		1.6 kg/m ²	0.33 lbs/ft ²
Coefficient of friction	bottom against steel	dynamic	0.17	
		static	0.2	
	top against steel	dynamic	> 1.0	
		static	> 1.5	
Operating temperature	continuous	from / to	5 / 80 °C	41 / 176 °F
	short	from / to	5 / 80 °C	41 / 176 °F
Minimum pulley diameter	flexing		40 mm	1.57 in.
	backflexing		50 mm	1.97 in.
Manufacturing width	standard		2000 mm	78.74 in.
	maximum		2000 mm	78.74 in.

Definition of typical applications

Applications that require correction of mistracking due to pushing, pulling, or other processes performed on the belt.

The Self Tracking Belt does not prevent mistracking: it corrects mistracking. Self Tracking Belts should not be used to solve construction failures.

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.

Minimum required tension of 3% of the belt length is generally sufficient.

For more information about the design of a belt conveyor, see the Technical Information Sheet for Self Tracking Belts.