Technical datasheet

Flexam EX 10/2 0+A42 black AS FR

Article code: SBFL572652



General information							
Product group	Synthetic Belts	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	Slider bed, Rollers, Flat					
Belt construction							
Tension layer		polyester, stable					
Number of plies		2					
Top side	material	Flexam, P	Flexam, PVC				
	finish	profile, A4	profile, A42 Supergrip wave profile				
	color	black	black				
Bottom side	material	fabric, pol	fabric, polyester				
	finish	bare fabri	bare fabric				
	color	natural	natural				
Characteristics							
Food Grade (FG)	no						
Antistatic (AS)	yes	ISO 21178	ISO 21178				
High conductive (HC)	no						
Flame-retardant	yes	ISO 340	ISO 340				
	yes	ASTM D-3	ASTM D-378				
ATEX approval	no						
Technical data							
Hardness	ISO 868	top side	55A	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	4.70	mm	0.19	in.	
		top cover		mm	0.11	in.	
Weight	AB method KV.004		4.5	kg/m²	0.92	lbs/ft²	
Coefficient of friction	bottom against steel	dynamic	0.15				
		static	0.17				
	top against steel	dynamic	1				
		static	0,93				
Operating temperature	continuous	from / to	-15 / 80		5 / 176	°F	
	short	from / to	-15 / 100	°C	5 / 212	°F	
Minimum pulley diameter	flexing		40	mm	1.57	in.	
	backflexing		80	mm	3.15	in.	
Manufacturing width	standard		2020	mm	79.53	in.	
	maximum		2020	mm	79.53	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.

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