Technical datasheet

Flexam ESM 6/2 0+S21 black AS FR

Article code: SBFL589772



General information									
Product group	Synthetic Belts	Synthetic Belts							
Industry segment	Airports; Logistics	Airports; Logistics							
Main product feature	Antistatic, Flame retardant								
Indication of use	Slider bed, Rollers, Flat								
Belt construction									
Tension layer		polyester spun, stable							
Number of plies		2							
Top side	material	material Flexam, PVC							
	finish	profile, S21 Fine of	profile, S21 Fine diamond						
	color	black	black						
Bottom side	material	fabric, polyester	fabric, polyester						
	finish	bare fabric	bare fabric						
	color	natural	natural						
Characteristics									
Food Grade (FG)	no								
Antistatic (AS)	yes	ISO 21178	ISO 21178						
High conductive (HC)	no								
Flame-retardant	no								
	yes	ASTM D-378	ASTM D-378						
ATEX approval	no								
Technical data									
Hardness	ISO 868	top side	45A Shore						
Force at 1% elongation (static)	ISO 21181		6 N/mm	34.26 lbs/in.					
Thickness	AB method KV.002	total	2.00 mm	0.08 in.					
		top cover	0.50 mm	0.02 in.					
			1.9 kg/m²						

		top cover	0.50	mm	0.02	in.
Weight	AB method KV.004		1.9	kg/m²	0.39	lbs/ft ²
Operating temperature	continuous	from / to	-15 / 80	°C	5 / 176	°F
	short	from / to	-15 / 100	°C	5 / 212	°F
Minimum pulley diameter	flexing		20	mm	0.79	in.
	backflexing		40	mm	1.57	in.
Manufacturing width	standard		2200	mm	86.61	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.

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