

Flexam EF 12/2 0+02 black M1 AS FR

Article code: SBFL514601

General information

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

Belt construction

Tension layer		polyester, flexible
Number of plies		2
Top side	material	Flexam, PVC
	finish	smooth, M1 Fine 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	no	
	yes	ASTM D-378
ATEX approval	no	

Technical data

Hardness	ISO 868	top side	80A Shore	
Force at 1% elongation (static)	ISO 21181		6 N/mm	34.26 lbs/in.
Elastic modulus (k1% relaxed)	ISO 21181		4 N/mm	22.84 lbs/in.
Thickness	AB method KV.002	total	1.90 mm	0.07 in.
		top cover	0.20 mm	0.01 in.
Weight	AB method KV.004		2.6 kg/m ²	0.53 lbs/ft ²
Coefficient of friction	bottom against steel	dynamic	0.19	
		static	0.22	
Operating temperature	continuous	from / to	-15 / 80 °C	5 / 176 °F
	short	from / to	-15 / 100 °C	5 / 212 °F
Minimum pulley diameter	flexing		40 mm	1.57 in.
	backflexing		70 mm	2.76 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 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.