Technical datasheet

General information

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

Article code: SBFL514601



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

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/m²	0.53	lbs/ft²
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 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.

Because of continuous development, the presented data is subject to alteration. This data replaces that included in previous publications. Ammeraal Beltech excludes any liability for the incorrect use of the above stated information. Subject to the general terms and conditions of sale and delivery, as applied by its operating companies, are all activities performed and services rendered by Ammeraal Beltech.