

Flexam EX 10/2 0+05 black M2 CR AS FR IR

Article code: SBFL589514

General information

Product group	Synthetic Belts
Main product feature	Antistatic, Non logo, Impact resistant, Low noise
Indication of use	Flat, Rollers, Slider bed

Belt construction

Tension layer		polyester, stable
Number of plies		2
Top side	material	Flexam, PVC
	finish	smooth, M2 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	yes	ISO 340
	no	
ATEX approval	no	

Technical data

Hardness	ISO 868	top side	80A Shore	
Force at 1% elongation (static)	ISO 21181		10 N/mm	57.1 lbs/in.
Elastic modulus (k1% relaxed)	ISO 21181		6 N/mm	34.26 lbs/in.
Thickness	AB method KV.002	total	3.50 mm	0.14 in.
		top cover	0.50 mm	0.02 in.
Weight	AB method KV.004		3.7 kg/m ²	0.76 lbs/ft ²
Coefficient of friction	bottom against steel	dynamic	0.19	
		static	0.22	
	top against steel	dynamic	0.4	
		static	0.5	
Operating temperature	continuous	from / to	-20 / 80 °C	-4 / 176 °F
	short	from / to	-25 / 90 °C	-13 / 194 °F
Minimum pulley diameter	flexing		70 mm	2.76 in.
	backflexing		100 mm	3.94 in.
Manufacturing width	standard		3000 mm	118.11 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 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.