Technical datasheet

Arcon EF 24/3 10+20 white M1 AS FR FG

Article code: SBAR576279

General information

Product group	Synthetic Belts
Industry segment	Food: Sugar; Chemicals, rubber & plastics: Detergents & cleaners
Main product feature	Antistatic, Flame retardant, Foodgrade
Indication of use	Slider bed, Rollers, Flat, Troughed

Belt construction

Tension layer		polyester, flexible
Number of plies		3
Top side	**material**	Arcon, PVC
	finish	smooth, M1 Fine matt finish
	color	white
Bottom side	**material**	Arcon, PVC
	finish	matt, M1 Fine matt finish
	color	white

Characteristics

Food Grade (FG)	yes	EC 1935/2004, EU 10/2011; FDA
Antistatic (AS)	yes	ISO 21178
High conductive (HC)	no	
Flame-retardant	yes	ISO 340
	no	
ATEX approval	yes	ATEX II - KEMA 05ATEX2164 U

Technical data

Hardness	ISO 868	top side	85A	Shore		
Force at 1% elongation (static)	ISO 21181		24	N/mm	137.04	lbs/in.
Elastic modulus (k1% relaxed)	ISO 21181		13	N/mm	74.23	lbs/in.
Thickness	AB method KV.002	total	6.00	mm	0.24	in.
		top cover	2.00	mm	0.08	in.
Weight	AB method KV.004		7.6	kg/m²	1.56	lbs/ft²
Operating temperature	continuous	from / to	-10 / 70	°C	14 / 158	°F
	short	from / to	-15 / 80	°C	5 / 176	°F
Minimum pulley diameter	flexing		200	mm	7.87	in.
	backflexing		250	mm	9.84	in.
Manufacturing width	standard		2000	mm	78.74	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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