Technical datasheet

General information

Arcon EF 50/3 15+30 white M1 AS FR FG

Article code: SBAR576299



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, Fl	Slider bed, Rollers, Flat, Troughed								
Belt construction										
Tension layer		polyester, flexible	polyester, flexible							
Number of plies		3	3							
Top side	material	Arcon, PVC								
	finish	smooth, M1 Fine matt finish								
	color	white	white							
Bottom side	material	Arcon, PVC								
	finish	matt, M1 Fine matt finish								
	color	white	white							
Characteristics										
Food Grade (FG)	yes	EC 1935/2004, E	EC 1935/2004, EU 10/2011; FDA							
Antistatic (AS)	yes	ISO 21178	ISO 21178							
High conductive (HC)	no									
Flame-retardant	yes	ISO 340	ISO 340							
	no									
ATEX approval	yes	ATEX II - KEMA (ATEX II - KEMA 05ATEX2164 U							
Technical data										
Hardness	ISO 868	top side	85A	Shore						
Force at 1% elongation (static)	ISO 21181		50	N/mm	285.51	lbs/in.				
			0.50		0.07					

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Thickness	AB method KV.002	total	9.50	mm	0.37	in.
		top cover	3.00	mm	0.12	in.
Weight	AB method KV.004		12	kg/m²	2.46	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		400	mm	15.75	in.
	backflexing		500	mm	19.69	in.
Manufacturing width	standard		2400	mm	94.49	in.
Manufacturing width	5					

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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