Technical datasheet

Amtel ESM 8/2 A18+03 ivory M2 AS FG

no



Article code: SBAM577521

General information						
Product group	Synthetic Belts	Synthetic Belts				
Industry segment	Food; Tobacco	Food; Tobacco; Chemicals, rubber & plastics				
Main product feature	Antistatic, Food	Antistatic, Foodgrade				
Indication of use	Slider bed, Rol	Slider bed, Rollers, Flat				
Belt construction						
Tension layer		polyester, stable				
Number of plies		2				
Top side	material	Amtel, TPE-E				
	finish	smooth, M2 Matt finish				
	color	ivory				
Bottom side	material	Amtel, TPE-E				
	finish	profile, A18 Fine square profile				
	color	ivory				
Characteristics						
Food Grade (FG)	yes	EC 1935/2004, EU 10/2011; FDA				
Antistatic (AS)	yes	ISO 21178				
High conductive (HC)	no					

Technical data						
Hardness	ISO 868	top side	40D	Shore		
Force at 1% elongation (static)	ISO 21181		8	N/mm	45.68	lbs/in.
Thickness	AB method KV.002	total	2.7	mm	0.11	in.
		top cover	0.3	mm	0.01	in.
Weight	AB method KV.004		2.7	kg/m²	0.55	lbs/ft²
Operating temperature	continuous	from / to	-20 / 110	°C	-4 / 230	°F
	short	from / to	-20 / 130	°C	-4 / 266	°F
Minimum pulley diameter	flexing		60	mm	2.36	in.
	backflexing		70	mm	2.76	in.
Manufacturing width	standard		2000	mm	78.74	in.
	maximum		2000	mm	78.74	in.

Fabrication

ATEX approval

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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