Technical datasheet

Ropanyl ESM 5/2 00+015 light blue AS FG AM NF



Article code: SBRY579520

General information							
Product group	Synthetic Belts						
Industry segment	Food: Confectionary & candy, Bakery						
Main product feature	Antistatic, Foodgrad	Antistatic, Foodgrade, Non-fraying, Knife edge transfer					
Indication of use	Slider bed, Rollers,	Slider bed, Rollers, Flat, Troughed					
Belt construction							
Tension layer		polyester, stable					
Number of plies		2					
Top side	material	Ropanyl, TPU					
	finish	smooth, glossy					
	color	Light blue					
Bottom side	material	Ropanol, PUR	Ropanol, PUR				
	finish	impregnated fab	ric				
	color	Light blue					
Characteristics							
Food Grade (FG)	yes	EC 1935/2004, E	EC 1935/2004, EU 10/2011; FDA				
Antistatic (AS)	yes	ISO 21178					
High conductive (HC)	no						
Flame-retardant (FR)	no						
ATEX approval	no						
Technical data							
Hardness	ISO 868	top side	85A Shore				

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Force at 1% elongation (static)	ISO 21181		5	N/mm	28.55	lbs/in.
Thickness	AB method KV.002	total	1.3	mm	0.05	in.
		top cover	0.15	mm	0.01	in.
Weight	AB method KV.004		1.4	kg/m²	0.29	lbs/ft²
Operating temperature	continuous	from / to	-20 / 90	°C	-4 / 194	°F
	short	from / to	-30 / 110	°C	-22 / 230	°F
Minimum pulley diameter	flexing		5	mm	0.2	in.
	backflexing		20	mm	0.79	in.
Manufacturing width	standard		2000	mm	78.74	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 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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