Technical datasheet

Ropanyl ESF 8/2 A18+03 light blue FG

Article code: SBRY460145



General information	
Product group	Synthetic Belts
Industry segment	Food
Main product feature	Foodgrade
Indication of use	Flat, Rollers, Troughed, Slider bed

Belt construction

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Tension layer		polyester, flexible
Number of plies		2
Top side	material	Ropanyl, TPU
	finish	smooth, glossy
	color	Light blue
Bottom side	material	Ropanyl, TPU
	finish	profile, A18 Fine square profile
	color	Light blue

Characteristics			
Food Grade (FG)	yes	FDA	
Antistatic (AS)	no		
High conductive (HC)	no		
Flame-retardant (FR)	no		
ATEX approval	no		

Technical data

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Hardness	ISO 868	top side	93A	Shore		
Force at 1% elongation (static)	ISO 21181		8	N/mm	45.68	lbs/in.
Thickness	AB method KV.002	total	2.1	mm	0.08	in.
		top cover	0.3	mm	0.01	in.
Weight	AB method KV.004		2.24	kg/m²	0.46	lbs/ft²
Operating temperature	continuous	from / to	-20 / 80	°C	-4 / 176	°F
	short	from / to	-20 / 100	°C	-4 / 212	°F
Minimum pulley diameter	flexing		25.4	mm	1	in.
	backflexing		25.4	mm	1	in.
Manufacturing width	standard		1829	mm	72.01	in.
	maximum		1829	mm	72.01	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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