Technical datasheet

Ropanyl EM 3/1 00+02 white AS FG

Article code: SBRY579800

General information

Product group	Synthetic Belts
Industry segment	Food: Confectionary & candy, Bakery; Tyre; Container & packaging
Main product feature	Antistatic, Foodgrade
Indication of use	Slider bed, Rollers, Flat

Belt construction

Tension layer		polyester, stable
Number of plies		1
Top side	**material**	Ropanyl, TPU
	finish	smooth, glossy
	color	white
Bottom side	**material**	Ropanol, PUR
	finish	impregnated fabric
	color	transparent

Characteristics

Food Grade (FG)	yes	EC 1935/2004, EU 10/2011; FDA
Antistatic (AS)	yes	ISO 21178
High conductive (HC)	no	
ATEX approval	no	

Technical data

Hardness	ISO 868	top side	85A	Shore		
Force at 1% elongation (static)	ISO 21181		3	N/mm	17.13	lbs/in.
Thickness	AB method KV.002	total	0.80	mm	0.03	in.
		top cover	0.20	mm	0.01	in.
Weight	AB method KV.004		0.8	kg/m²	0.16	lbs/ft²
Coefficient of friction	bottom against steel	dynamic	0.19			
		static	0.22			
Heat transfer coefficient			250	W/(m².K)	44.06	BTU/(h.ft².°F)
Operating temperature	continuous	from / to	-20 / 90	°C	-4 / 194	°F
	short	from / to	-30 / 110	°C	-22 / 230	°F
Minimum pulley diameter	flexing		6	mm	0.24	in.
	backflexing		10	mm	0.39	in.
Manufacturing width	standard		2100	mm	82.68	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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