Technical datasheet

Poliflex ESF 3/1 015+015 light blue M1 AS FG



Article code: SBP0514140

General information						
Product group	Synthetic Belts	Synthetic Belts				
Industry segment	Agriculture: Agriculture; Tobacco					
Main product feature	Antistatic, Foodgr	Antistatic, Foodgrade				
Indication of use	Rollers, Flat, Trou	Rollers, Flat, Troughed				
Belt construction						
Tension layer		polyester, flexible				
Number of plies		1				
Top side	material	Poliflex, PE				
	finish	smooth, M1 Fine matt finish				
	color	Light blue				
Bottom side	material	Poliflex, VLD				
	finish	matt, M1 Fine matt finish				
	color	Light blue				

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	90A	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	0.15	mm	0.01	in.
Weight	AB method KV.004		1	kg/m²	0.2	lbs/ft²
Operating temperature	continuous	from / to	-20 / 50	°C	-4 / 122	°F
	short	from / to	-50 / 70	°C	-58 / 158	°F
Minimum pulley diameter	flexing		10	mm	0.39	in.
	backflexing		20	mm	0.79	in.
Manufacturing width	standard		1500	mm	59.06	in.
	maximum		2000	mm	78.74	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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