

Poliflex ESM 5/1 02+02 transparent M2 AS FG

Article code: SBPO515097

General information

Product group	Synthetic Belts
Industry segment	Tobacco
Main product feature	Antistatic, Foodgrade
Indication of use	Rollers, Flat

Belt construction

Tension layer		polyester, stable
Number of plies		1
Top side	material	Poliflex, PE
	finish	smooth, M2 Matt finish
	color	transparent
Bottom side	material	Poliflex, VLD
	finish	matt, M2 Matt finish
	color	transparent

Characteristics

Food Grade (FG)	yes	
Antistatic (AS)	yes	ISO 21178
High conductive (HC)	no	
Flame-retardant (FR)	no	
ATEX approval	no	

Technical data

Hardness	ISO 868	top side	90A Shore	
Force at 1% elongation (static)	ISO 21181		5 N/mm	28.55 lbs/in.
Thickness	AB method KV.002	total	1.2 mm	0.05 in.
		top cover	0.2 mm	0.01 in.
Weight	AB method KV.004		1.2 kg/m ²	0.25 lbs/ft ²
Operating temperature	continuous	from / to	-20 / 50 °C	-4 / 122 °F
	short	from / to	-50 / 70 °C	-58 / 158 °F
Minimum pulley diameter	flexing		30 mm	1.18 in.
	backflexing		40 mm	1.57 in.
Manufacturing width	standard		1500 mm	59.06 in.
	maximum		3200 mm	125.98 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 separate 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.