Technical datasheet

Concerned information

Ropanyl EF 28/3 00+02 black M2

Article code: SBRY579051



General information								
Product group	Synthetic Belts							
Industry segment	Airports; Logistics: Distribution & warehousing							
Main product feature	High elastic modulus							
Indication of use	Slider bed, Rollers, Flat, Troughed							
Belt construction								
Tension layer		polyester, flexible						
Number of plies		3	3					
Top side	material	Ropanyl, TPU	Ropanyl, TPU					
	finish	smooth, M2 Matt finish						
	color	black	black					
Bottom side	material	erial Ropanol, PUR						
	finish	finish impregnated fabric						
	color	transparent	transparent					
Characteristics								
Food Grade (FG)	no							
Antistatic (AS)	no							
High conductive (HC)	no							
Flame-retardant	no							
	yes	ASTM D-378						
ATEX approval	no							
Technical data								
Hardness	ISO 868	top side	85A Shore					
Force at 1% elongation (static)	ISO 21181		28 N/mm	159.88 lbs/in.				

Force at 1% elongation (static)ISO 21181Image: constraint of the static of the s							
KeightAB method KV.004top cover0.25mm0.01in.WeightAB method KV.004GammaGammaMg/m20.63bs/ft2Coefficient of frictionbottom against steeldynamic0.01GammaGammaGammaOperating temperaturecontinuousfrom / to-20 / 60°C-4 / 140°FMinimum pulley diameterflexingflexingfrom / to150mm5.91in.Backflexingcontinuouscontinuouscontinuouscontinuousform / to200mm5.91in.	Force at 1% elongation (static)	ISO 21181		28	N/mm	159.88	lbs/in.
WeightAB method KV.004AB method KV.00	Thickness	AB method KV.002	total	2.30	mm	0.09	in.
Coefficient of friction bottom against steel dynamic 0.19 static 0.22 Operating temperature continuous short from / to Form / to -20 / 60 °C -4 / 140 °F Minimum pulley diameter flexing backflexing continuous			top cover	0.25	mm	0.01	in.
And output with a staticAnd output with a staticAnd output with a staticAnd output with a staticAnd output with a staticOperating temperaturecontinuousfrom / to-20 / 60°C-4 / 140°FMinimum pulley diameterflexingfrom / to-20 / 80°C-4 / 176°Fbackflexingcontinuousflexingfl	Weight	AB method KV.004		3.1	kg/m²	0.63	lbs/ft²
Operating temperaturecontinuousfrom / to-20 / 60°C-4 / 140°Fshortfrom / to-20 / 80°C-4 / 176°FMinimum pulley diameterflexingflexing150mm5.91in.backflexingcontent of the state o	Coefficient of friction	bottom against steel	dynamic	0.19			
shortfrom / to-20 / 80°C-4 / 176°FMinimum pulley diameterflexingflexing150mm5.91in.backflexing100mm7.87in.			static	0.22			
Minimum pulley diameterflexingnbackflexing100mm5.91in.200mm7.87	Operating temperature	continuous	from / to	-20 / 60	°C	-4 / 140	°F
backflexing 200 mm 7.87 in.		short	from / to	-20 / 80	°C	-4 / 176	°F
	Minimum pulley diameter	flexing		150	mm	5.91	in.
Manufacturing widthstandard2020mm79.53in.		backflexing		200	mm	7.87	in.
	Manufacturing width	standard		2020	mm	79.53	in.
maximum 2020 mm 79.53 in.		maximum		2020	mm	79.53	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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