Technical datasheet

Silam ESF 20/3 01+01 (TPE) red AS HR NL

Article code: SBRP0030S3

General information

Product group	Synthetic Belts
Industry segment	Tyre: Rubber mixing
Main product feature	Antistatic, High conductivity, Non logo, Non-stick
Indication of use	Rollers, Flat

Belt construction

Tension layer		polyester spun, flexible
Number of plies		3
Top side	**material**	Silam, SI
	finish	impregnated fabric
	color	red
Bottom side	**material**	Silam, SI
	finish	impregnated fabric
	color	red

Characteristics

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

Technical data

Hardness	ISO 868	top side	40A	Shore		
Force at 1% elongation (static)	ISO 21181		20	N/mm	114.2	lbs/in.
Thickness	AB method KV.002	total	3.5	mm	0.14	in.
		top cover	0.1	mm	0	in.
Weight	AB method KV.004		4.2	kg/m²	0.86	lbs/ft²
Operating temperature	continuous	from / to	0 / 150	°C	32 / 302	°F
	short	from / to	0 / 180	°C	32 / 356	°F
Minimum pulley diameter	flexing		150	mm	5.91	in.
	backflexing		150	mm	5.91	in.
Manufacturing width	standard		2520	mm	99.21	in.
	maximum		2750	mm	108.27	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.

Because of continuous development, the presented data is subject to alteration. This data replaces that included in previous publications. Ammeraal Beltech excludes any liability for the incorrect use of the above stated information. Subject to the general terms and conditions of sale and delivery, as applied by its operating companies, are all activities performed and services rendered by Ammeraal Beltech.