Technical datasheet

LT S27 C

Article code: FBLT054050

General information

Product group	High performance flat belts
Product sub type	Classic
Industry segment	General industry
Main product feature	Oil & grease resistant, Dusty environment
Application	Saw mills, Power transmission (crossed, cone drive)
Indication of use	Suitable for high start-up torques

Belt construction

Tension member		Polyamide foil
Top side	**material**	Polyamide fabric
	finish	Fabric textured
	color	black
Bottom / Pulley side	**material**	Chrome leather
	finish	Ground quality
	color	grey

Characteristics

Food Grade (FG)	no
Antistatic (AS)	yes
High conductive (HC)	no

Technical data

Belt thickness	ISO 2286-3			5.1	mm	0.2 in.
Weight	ISO 290703-1			5.6	kg/m²	1.15 lbs/ft²
Force at 1% elongation	ISO 21181	dynamic		27	N/mm	154.17 lbs/in.
Recommended elongation		min. / max.		2 / 3	%	
Coefficient of friction, dynamic	ISO 21182	bottom side to steel		0,25		
		top side to steel		0,15		
Minimum pulley diameter	flexing			350	mm	13.78 in.
	back flexing			350	mm	13.78 in.
Operating temperature	continuous	from / to		0 / 80	°C	32 / 176 °F
Belt width	standard			570	mm	22.44 in.

Fabrication

Recommended splice method	WedgeSkive75D-2.8+
Alternative splice method	WedgeSkive90D-2.8+

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.

Consult our specialists for further instructions regarding joining, storage & maintenance, tracking & tensioning.

Consult our specialists for calculations with our E-RappCalc© technical calculation program.