High Performance Flat Belts

Technical datasheet

S27 C





General information	
Product group	High Performance Flat Belts
Product sub type	Classic
Industry segment	General industry
Application	General conveying

Belt construction

Top side	material	Natural rubber
	finish	Fine
	color	Transparent
Tension member		Polyester fabric
Bottom / Pulley side	material	Polyester fabric
	finish	Fabric texture
	color	Transparent

Characteristics	
Food Grade (FG)	No
Anti-static (AS)	No
High conductive (HC)	No

Technical data						
Belt thickness	according to ISO 2286-3		2.7	mm	0.106	in.
Belt thickness tolerance		±	0.4	mm	0.016	in.
Weight	according to ISO 290703-1		5	kg/m²	1.024	lbs/ft ²
Force at 1% elongation	according to ISO 21181	dynamic	27	N/mm	154.174	lbs/in.
Recommended elongation		min./max.	0.2 / 0.6	%		
Coefficient of friction, dynamic	according to ISO 21182	bottom side to steel	0.1			
		top side to steel	0.1			
Minimum pulley diameter	flexing		80	mm	3.15	in.
	back flexing		80	mm	3.15	in.
Operating temperature	continuous	from/to	0 / 80	°C	32 / 176	°F
Belt width	standard		570	mm	22.441	in.
Fabrication						
Recommended splice method	WedgeSkive75D-1.5-2.8					

Additional Information

The information on this data sheet applies to a temperature of approx. 20 °C / 68 °F and 65% relative humidity. Consult our specialists for further instructions regarding joining, storage & maintenance, tracking & tensioning. Consult our specialists for calculations with our E-RappCalc© technical calculation program.

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.