

Flexam EX 10/2 0+05 black M2 AS FR

Article code 574601

General information

Product group	Synthetic belts
Market segment	General handling, Distribution centres, Airports
Main features	Antistatic, Flame retardant, Low noise, Energy saving
Belt support	Slider bed, Rollers, Flat

Belt construction

Fabric tension layer	polyester	stable	2-ply
Topside	Flexam PVC	M2 Matt finish	black
Bottomside	fabric	low noise	

Characteristics

Foodgrade (FG)	no
Antistatic (AS)	yes, in accordance with ISO 21178
High conductive (HC)	no
Flame retardant (FR)	yes, in accordance with ISO 340:2013
ATEX approval	yes, according Category 3

Technical belt data

Hardness topside	according to DIN 53505	80A	shore	
Force at 1% elongation	according to ISO 21181	10.0	N/mm	lb./in.
Belt thickness	internal AB method KV.002	2.50	mm	0.098 in.
Weight	internal AB method KV.004	2.90	kg/m ²	0.594 lbs./ft. ²
Coefficient of friction bottomside to steel	according to ISO 21182	0.17	Dynamic	
		0.2	Static	
Thickness top cover		0.50	mm	0.020 in.
Temperature		-15 to 80	°C	5 to 176 °F
Temperature short		-15 to 100	°C	5 to 212 °F
Min. pulley diameter flexing		60.0	mm	2.362 in.
Min. pulley diameter back flexing		80.0	mm	3.150 in.
Standard belt width		2000	mm	78.74 in.
Maximum belt width		3000	mm	118.11 in.

Endless instructions

Hot splicing is always preferable. Cold splicing can only be done when the belt is exposed to normal temperatures 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

The information applies at approx. 20°C (68°F). Keep the belt tension to a minimum for maximum belt and conveyor life. Stated is the belt temperature. The allowable product temperature may vary.

The diameters are valid for a hot spliced belt and at the indicated belt force. Depending on the splice and working conditions (e.g. temperature), different pulley diameters may be possible. When fasteners are used the min. diameters are increased by approx. 50%.

ATEX attestation

Introduction

Directive 94/9/EC Equipment and Protective systems intended for use in potentially explosive atmospheres (ATEX) is a so-called "New Approach" Directive which provides the technical requirements to be applied to equipment intended for use in potentially explosive atmospheres. The Directive has been mandatory from 1st July 2003.



FR Statement ISO 340

Introduction

ISO (International Organization for Standardization) is a global network that identifies what International Standards are required by business, government and society, develops them in partnership with the sectors that will put them to use, adopts them by transparent procedures based on national input and delivers them to be implemented worldwide.



The international standard ISO 340 specifies conditions for a flame retardation test for conveyor belts and the corresponding requirements. Specified is a method for assessing, on a small scale, the reaction of a conveyor belt to an ignition flame source. It is applicable to conveyor belts having a textile carcass as well as steel cord conveyor belts.

Statement

Article code Belt construction

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