Technical belt data sheet

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



## Article code 576601

General information	
Product group	Synthetic belts
Market segment	General handling, Airports
Main features	Antistatic, Flame retardant, Impact resistant, Low noise
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
High conductive (HC)	no
Flame retardant (FR)	yes, in accordance with ISO 340:2004
ATEX approval	no

Technical belt data								
Hardness topside	in accordance with DIN 53505	80A	shore					
Force at 1% elongation		10.0	N/mm		lb./in.			
Belt thickness	internal AB method KV.002	3.50	mm	0.138	in.			
Weight	internal AB method KV.004	3.70	kg/m²	0.758	lbs./ft.2			
Coefficient of friction	in accordance with ISO 21182	0.2	Dynamic					
bottomside to steel		0.25	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		100.0	mm	3.937	in.			
Standard belt width		2020	mm	79.53	in.			
Maximum belt width		2020	mm	79.53	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%.

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