

## Flexam EF 16/2 10+20 white M1 AS FR FG



Article code 579259

### General information

Product group	Synthetic belts
Market segment	Sugar refining
Main features	Antistatic, Flame retardant, Foodgrade, Abrasion resistant
Belt support	Rollers, Flat, Troughed

### Belt construction

Fabric tension layer	polyester	flexible	2-ply
Topside	Flexam PVC	M1 Fine matt finish	white
Bottomside	Flexam PVC	M1 Fine matt finish	white

### Characteristics

Foodgrade (FG)	yes, according: EC 1935/2004, EU 10/2011 (and amendments); food contact surface FDA
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 2 - KEMA 05ATEX2164 U

### Technical belt data

Hardness topside	according to ISO 868	85A	shore
Force at 1% elongation	according to ISO 21181	16.0	N/mm      89.60 lbs./in.
Belt thickness	internal AB method KV.002	5.00	mm      0.197 in.
Weight	internal AB method KV.004	6.50	kg/m <sup>2</sup> 1.331 lbs./ft. <sup>2</sup>
Thickness top cover		2.00	mm      0.079 in.
Temperature range		-10 to 70	°C      14 to 158 °F
Temperature range short		-15 to 80	°C      5 to 176 °F
Min. pulley diameter flexing		140.0	mm      5.512 in.
Min. pulley diameter back flexing		190.0	mm      7.480 in.
Standard belt width		2000	mm      78.74 in.
Maximum belt width			mm      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 pulley 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 or necessary. When fasteners are used the minimum diameters are increased by approx. 50%.

Consult our specialists for available profiles and accessories.

# ATEX attestation



## Introduction

Directive 2014/34/EU 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 1<sup>st</sup> July 2003.



## Written attestation of conformity for components

Manufacturer: **Head office Ammeraal Beltech Group**  
Marconistraat 15  
1704 RH Heerhugowaard  
The Netherlands

Product description: Flexam EF 16/2 10+20 white M1 AS FR FG  
Article code: 579259

The manufacturer of this product hereby declares that the product is a non-electrical component made of composites of thermoplastic and/or thermoset materials.

*Because this product is a potential source in the generation of static electricity, when incorporated within other elements of equipment, the risk of an explosion in potentially explosive atmospheres exists. Therefore all equipment parts which are in contact with Ammeraal Beltech process and conveyor belts have to be earthed sufficiently and made from electric conductive materials, to meet the applicable Essential Health and Safety Requirements of the ATEX Directive 2014/34/EU.*

*Belt slip is a potential source of overheating of belts and equipment parts. The risk of an explosion, due to overheating, exists in potentially explosive atmospheres. Therefore all equipment parts should be constructed and/or protected in such a way that overheating cannot occur, when compliance to meet the applicable Essential Health and Safety Requirements of the ATEX Directive 2014/34/EU is required. Maximum speed of the conveyor belt on the installation is 5 m/s.*

After following the Ammeraal Beltech ATEX manual for installation, this product complies with the following documents, regulations and standards:

Article documents: Data Sheet 579259  
TCF code ATEX-411004  
Examination Certificate Number: **KEMA 05ATEX2164 U**

Standards: EN 80079-36 : 2016  
EN 80079-37 : 2016  
CLC/TR 60079-32-1 : 2015

Regulations: **ATEX Directive 2014/34/EU, Annex II 2GD c T60 °C**  
-10°C < Ta < 60°C



## 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

Ammeraal Beltech herewith declares that the following belt type is flame retardant according to ISO 340 : 2013 Conveyor belts; flame retardation; specifications and test method

### Article code Belt construction

» 579259 Flexam EF 16/2 10+20 white M1 AS FR FG

**Issue date: July 2021**

**Head office Ammeraal Beltech Group**  
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## Food Statement EC



### Introduction

The framework Regulation EC 1935/2004 Food Contact of the European Parliament lays down regulations on materials and articles intended to come into contact with food. Belonging Regulation EU 10/2011 is a specific measure within the meaning of Article 5 of Regulation EC 1935/2004 and establishes specific requirements for the manufacture and marketing of plastic materials intended to come into contact with food. Regulation EU 10/2011 is also applicable to printing inks, adhesives or coatings, but does not apply to rubber and silicones. Principle is that food contact materials should be safe and should not transfer their components into the foodstuff (migration) in unacceptable quantities. The EU legislation for food contact materials is based on positive lists of the substances and maximum limits of migration to food. Only positive list substances may be used for manufacturing of food contact plastics.



### Statement

Ammeraal Beltech herewith declares that the following mentioned belt type is in compliance with Framework Regulation EC 1935/2004 – which replaces the former Directives 89/109/EEC and 80/590/EEC – and belonging Regulation EU 10/2011 (with amendments) – which replaces former Specific Directives 2002/72/EC and 90/128/EEC (with amendments).

<b>Article code</b>	<b>Belt construction</b>
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» 579259	Flexam EF 16/2 10+20 white M1 AS FRFG
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For conveying:	Dry foodstuffs
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**July 2021**

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## Food Statement FDA



### Introduction

The Food and Drug Administration (hereafter called FDA) of the Public Health Service of the Department of Health, Education and Welfare, established in Washington DC 20204, United States of America, is the world's best known authority involved in consumer protection in respect of potential detrimental influences, which could be caused by any inclusion of substances or ingredients of an unacceptable nature in foodstuffs and confectionery. The FDA have prepared a review 'Title 21: Code of Federal Regulations' in respect of their approval of the raw materials in a processed or finished state, and also specified the conditions under which the approval is valid.



### Statement

Ammeraal Beltech herewith declares that the cover of the following belt type meets the requirements mentioned in Title 21: Code of Federal Regulations, issued by the FDA

#### Article code Belt construction

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According to paragraph:

175.300 (resinous and polymeric coatings)

for all dry and water containing foodstuffs

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