

Ropanyl EM/K 60/3 00+04 black M1 AS



Article code 514395

General information

Product group	Synthetic belts
Market segment	Wood, Particle board
Main features	Antistatic, Non logo, Abrasion resistant
Belt support	Slider bed, Rollers, Flat

Belt construction

Fabric tension layer	polyester/aramid	stable	3-ply
Topside	Ropanyl TPU	M2 Matt finish	black
Bottomside	TPU HC	impregnation	transparent

Characteristics

Foodgrade (FG)	no
Antistatic (AS)	yes
High conductive (HC)	no
Flame retardant (FR)	no
ATEX approval	yes, according Category 2 - KEMA 05ATEX2164 U

Technical belt data

Hardness topside	<i>according to ISO 868</i>	93A	shore
Force at 1% elongation	<i>according to ISO 21181</i>	60.0	N/mm 336.00 lbs./in.
Belt thickness	<i>internal AB method KV.002</i>	3.80	mm 0.150 in.
Weight	<i>internal AB method KV.004</i>	4.40	kg/m ² 0.901 lbs./ft. ²
Thickness top cover		0.40	mm 0.016 in.
Temperature range		-20 to 90	°C -4 to 194 °F
Temperature range short		-30 to 110	°C -22 to 230 °F
Min. pulley diameter flexing		250.0	mm 9.843 in.
Min. pulley diameter back flexing		300.0	mm 11.81 in.
Standard belt width		3000	mm 118.11 in.
Maximum belt width		3100	mm 122.05 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 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.



Written attestation of conformity for components

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The Netherlands

Product description: Ropanyl EM/K 60/3 00+04 black M1 AS NL
Article code: 514395

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 94/9/EC.

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 94/9/EC 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	514395
TCF code	ATEX-411004
Examination Certificate Number:	KEMA 05ATEX2164 U

Standards:

EN 13463-1
EN 13463-5
CLC/TR 50404

Regulations:

ATEX Directive 94/9/EC – II 2GD c T90 °C
-10°C < Ta < 60°C

