

Nonex EF 45/3 12+13 white M2 AS FG



Article code 510453

General information

Product group	Synthetic belts
Market segment	General food, Sugar refining, Elevator belt
Main features	Antistatic, Foodgrade
Belt support	Rollers, Flat, Troughed

Belt construction

Fabric tension layer	polyester	flexible	3-ply
Topside	Nonex PVC	M2 Matt finish	white
Bottomside	Nonex PVC	M2 Matt finish	white

Characteristics

Foodgrade (FG)	yes, according: EC 1935/2004 (and amendments); food contact surface FDA
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	according to ISO 868	70A	shore
Force at 1% elongation	according to ISO 21181	45.0	N/mm 252.00 lbs./in.
Belt thickness	internal AB method KV.002	7.20	mm 0.283 in.
Weight	internal AB method KV.004	8.60	kg/m ² 1.761 lbs./ft. ²
Thickness top cover		1.30	mm 0.051 in.
Temperature range		-15 to 80	°C 5 to 176 °F
Temperature range short		-15 to 100	°C 5 to 212 °F
Min. pulley diameter flexing		350.0	mm 13.78 in.
Min. pulley diameter back flexing		500.0	mm 19.68 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 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.

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