

Technical belt data sheet

Nonex EM05 4/1 00+05 white FG

Article code 570050

General information	
Product group	Synthetic belts
Market segment	General food
Main features	Foodgrade, Oil & grease resistant
Belt support	Slider bed, Rollers, Flat

Belt construction			
Fabric tension layer	polyester	stable	1-ply
Topside	Nonex PVC	smooth	white
Bottomside	Ropanol PUR	impregnation	transparent

Characteristics	
Foodgrade (FG)	yes, according: EC 1935/2004, EU 10/2011 (and amendments); food contact surface FDA
Antistatic (AS)	no
High conductive (HC)	no
Flame retardant (FR)	no
ATEX approval	no

Technical belt data			
Hardness topside	<i>according to DIN 53505</i>	65A shore	
Force at 1% elongation	<i>according to ISO 21181</i>	4.0 N/mm	22.40 lbs./in.
Belt thickness	<i>internal AB method KV.002</i>	1.15 mm	0.045 in.
Weight	<i>internal AB method KV.004</i>	1.40 kg/m ²	0.287 lbs./ft. ²
Thickness top cover		0.50 mm	0.020 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		6.00 mm	0.236 in.
Min. pulley diameter back flexing		30.0 mm	1.181 in.
Standard belt width		2000 mm	78.74 in.
Maximum belt width		2000 mm	78.74 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.

