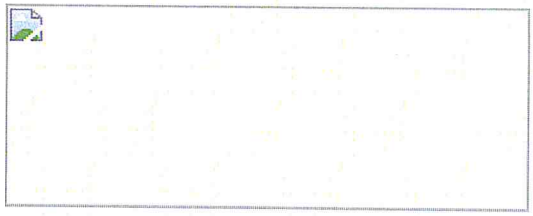
Process and conveyor belting

Technical belt data sheet

Ropanyl EM 20/1 00+04 white M1 AS FG



Article code 514213

General information

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

Belt construction

Fabric tension layer	polyester	stable	1-ply
Topside	Ropanyl TPU	M1 Fine matt finish	white
Bottomside	Ropanol TPU	impregnation	transparent

Characteristics

Foodgrade (FG)	yes, food contact surface according FDA
Antistatic (AS)	yes, in accordance with ISO 21178
High conductive (HC)	no
Flame retardant (FR)	no
ATEX approval	yes, according Category 2 - KEMA 05ATEX2164 U

Technical belt data

Hardness topside	*according to DIN 53505*	93A	shore		
Force at 1% elongation	*according to ISO 21181*	20.0	N/mm	112.00	lbs./in.
Belt thickness	*internal AB method KV.002*	1.90	mm	0.075	in.
Weight	*internal AB method KV.004*	2.00	kg/m²	0.410	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		20.0	mm	0.787	in.
Min. pulley diameter back flexing	(LEIKKONEESSA Ø60)	80.0	mm	3.150	in.
Standard belt width		3300	mm	129.92	in.
Maximum belt width		3650	mm	143.70	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.