

Permaline U2 positioning belt



Article codes U2-1000 • U2-2000

General information

Product group	Synthetic belting – Permaline
Market segment	Food, Bakery, Positioning belt
Main features	Antistatic, Foodgrade, Low noise
Belt support	Slider bed, Rollers, Flat

Belt construction

Fabric tension layer	polyester	stable, low noise	1-ply
Topside	Ropanyl TPU	M2 Fine matt finish	Customer print + transparent
Bottomside	Ropanol PUR	impregnation	transparent

Characteristics

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

Technical belt data

Hardness topside	<i>according to DIN 53505</i>	85A shore
Force at 1% elongation	<i>according to ISO 21181</i>	5.0 N/mm 28.00 lbs./in.
Belt thickness	<i>internal AB method KV.002</i>	1.20 mm 0.047 in.
Weight	<i>internal AB method KV.004</i>	1.20 kg/m ² 0.246 lbs./ft. ²
Thickness top cover		0.40 mm 0.016 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		8.0 mm 0.315 in.
Min. pulley diameter back flexing		30.0 mm 1.180 in.
Permaline U2-1000	Belt width	500 - 1000 mm 19.69 - 39.40 in.
	Belt length	5 - 100 m 16.40 - 328.10 ft.
Permaline U2-2000	Belt width	1001 - 1950 mm 39.41 - 76.80 in.
	Belt length	10 - 100 m 32.81 - 328.10 ft.

Endless instructions

Hot splicing is always preferable (standard finger splice 80x20 mm). 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 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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