Technical data sheet

BELT TYPE U20

Code number 5U20

MOST POPULAR APPLICATIONS:

- Horizontal or slight slope conveying of single loads, boxes, bundles, tobacco, bulk products, wood, chipboards, etc. on medium or long interaxial length.

GENERAL CHARACTERISTICS:

Excellent resistance to abrasion. 20 mg weight loss tested according to ASTM D.I. 1044 norm (TABER abrasion-meter, H22 grinder, weight 1000 g, 1000 cycles). Good resistance to mineral oils, acid solutions, non-aggressive chemical agents and detergents.

Belt structure

Number of plies	**: 2**
Weft	**: Rigid**
Top cover	**: PVC U**
- Color	**: Green**
- Thickness	**: 0.8 mm**
- Hardness	**: 74 Shore A**
- Surface	**: Smooth**
Bottom cover	**: Raw fabric**
Total thickness	**: 2.6 mm**
Weight	**: 3.0 kg/sq.m**
Antistatic	**: No**
Max production width	**: 3,000 mm**

Minimum pulley diameters

Normal flexing	**: 50 mm**
Counter flexing	**: 60 mm**

Conveyor frame characteristics

Slider beds	**: Yes**
Metal troughs	**: No**
Support with horizontal rollers	**: Yes**
Support with trough idlers (2 or 3 rollers)	**: No**
Special and mixed trough idlers	**: To be checked**
Sliding on the return side	**: No**

Belt strength

Breaking load	**: 220 daN/cm**
Max. suggested working load	**: 20 daN/cm**
Working load at 1% elongation	**: 13 daN/cm**

Joining methods

Hot execution	**: FS**
Fasteners	**: K3 – G3 inox VAT B3**

Operating condition

Contact temperature range	**: - 10 +80°C**

The product temperature can vary by up to 25% more or less than the contact temperature range depending on: contact time, product weight, dispersion and ambient temperature.

Friction coefficient (bottom cover)

Stainless steel, BA	**: 0.20**
Stainless steel, 2B	**: 0.18**
Stainless steel, 2D	**: 0.20**
Rolled steel plate	**: 0.20**
Plastic sheet (brilliant surface)	**: 0.20**

BA = *Brilliant surface*
2B = *Half-brilliant surface*
2D = *Hot-laminated surface*

SPECIAL EXECUTIONS: With welded transversal and longitudinal profiles.
Other surface structures: A - N - Z - V.

The data in this data sheet were measured at a temperature of 20°C and a relative humidity of 65 to 70%. Above data are subject to change without prior notice by ***Sampla Belting S.p.A.***

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