DATA SHEET

siegling extremultus
conveyor and processing belts

Sustainable Solutions

Product Data Sheet

UU 30E-20 BMB FSTR green

Applications

Distribution Parcel, Carrier, Sores	Live Roller conveyor
Postal	Letter sorting machines
Application Group	Live Roller Belts; Machine Tapes

Order information

Article number	822180
Standard delivery width	500 mm / 19.69 in
Maximal delivery width (without longitudinal seam) on request	1000 mm / 39.37 in

Construction

Surface material top face	Polyurethane
Surface pattern	Fine texture
Color	Green
Surface material underside	Polyurethane
Surface pattern	Fine texture
Color	Green
Tension member material	Polyester fabric, highly flexible

Sustainability

Coating made from biomass-balanced raw materials of bio-based origin	Renewable raw materials; Organic, resource-saving raw materials; Positive contribution to life cycle/carbon emissions; Supports your sustainability concept
Savings CO_2 [kg/m²]	On request

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Technical data

Total thickness	2 mm ± 0.1 0.079 in ± 0.004
Weight	2.2 kg/m² 0.451 lbs/ft²
Fw‘ at 1 % elongation at fitting	28 N/mm / 159.88 lbf/in
Relaxed specific shaft load at 1 % elongation at fitting and 180° arc of contact in N/mm belt width.	
k1% value relaxed	14 N/mm / 79.94 lbf/in
Elongation at break warp	11 %
Nominal effective pull (Fu',Nenn)	20 N/mm
Recommended Elongation at fitting min.	0.3 %
Recommended Elongation at fitting max.	2 %
Friction coefficient of top face against steel panel according to internal test instruction	0.6
Friction coefficient of underside against steel panel according to internal test instruction	0.6
Permissible operating temperature	-20/70 °C -4/158 °F

Properties

Troughable	Yes
Suitable for accumulation	No
Easy cleaning	Yes
Not sensitive to climatic fluctuation	Yes

Electrostatic properties

Antistatic	Belt material with an electrically conductive antistatic agent. Volume resistance (RDi) in longitudinal direction parallel to plane of belt < 3 x 10^8 Ω. Measurement according DIN EN ISO 21178.

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Fabrication

Belt edge sealing	Smartseal
Profiles on top face	Yes
Profiles on underside	Yes

Minimum drum diameter

Mechanical fasteners	
Z- splice - 110 x 11,5 mm, counter-bending	30 mm / 1.2 in
Z- splice - 70 x 11,5 mm, counter-bending	30 mm / 1.2 in

Remarks

Chemical resistance	U

The physical data in this data sheet is approximate, can alter depending on production environments. The belts should be stored under normal ambient conditions climate (23 °C, 50 % humidity) as per DIN EN ISO 291. Fluctuations in climate can cause variations. See our brochure “Compendium Flat Belts” no. 333 which shows the types of belts that can be supplied and the manufacturing tolerances. Customised types require written confirmation.

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