

Product Data Sheet

PRL2-90SMF UBxBBB black FR

Applications

General material handling	Horizontal conveying (metering)
Logistics	Accumulation conveyor

Order information

Article number	908304
Suitable for corrugated side walls	No
Belt style	PRL = Plied Monofilament
Standard delivery width	1829 mm / 72.01 in
Longitudinal seam possible	Yes

Construction

Top face material	Polyurethane impregnation
Surface pattern	Fabric, skimmed
Color	Black
Driving face material	Polyester fabric
Surface pattern	Fabric
Color	White
Tension member material	Fabrics of polyester spun or filament warp and monofilament weft
Number of fabric plies	2

PRL2-90SMF UBxBBB black FR

Technical data

Total thickness	1.78 mm \pm 0.25 0.07 in \pm 0.01
Weight	1.95 kg/m ² \pm 0.2 0.4 lbs/ft ² \pm 0.04
k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005	6 N/mm / 34.26 lbf/in
Recommended Elongation at fitting min.	0.3 %
Rated working tension	16 N/mm / 90 lbf/in at 2 % Elongation
Friction coefficient of driving face against steel panel according ISO 21182	0.2
Friction coefficient of top face against steel panel according ISO 21182	0.24
Permissible operating temperature	-18/82 °C 0/180 °F

Properties

Lateral stiffness	Exceptionally laterally stiff
Troughable	No
Suitable for accumulation	Yes
Inclined conveying	No
Suitable for knife edges	No
Suitable for curves	No
Flame-retardant	FR (ASTM D-378)
Noise development	Low noise
Particular surface properties	► Coating/fabric abrasion resistant ► Not adhesive
Belt support	Slider bed (support rollers possible)
UV resistance	Normal

PRL2-90SMF UBxBB black FR

Electrostatic properties

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

Fabrication

Suitable for corrugated side walls	No
Profiles on top face	Yes
Profiles on underside	Yes
Mechanical fasteners	On request

Minimum drum diameter

Z-splice, counter-bending	38 mm / 1.5 in
Mechanical fastener, bending	38 mm / 1.5 in
Z-splice, bending	25 mm / 1 in

Remarks

Chemical resistance	Good
----------------------------	------

The physical data in this data sheet is approximate, can alter depending on production environments and was established at standard ambient conditions (23°C/73°F, 50% relative humidity) in accordance with DIN 50014/ISO 554. Fluctuations in climate can cause variations.

Date of last change: 8/31/2022 7:57:36 AM