

Product Data Sheet

PHR2-90MF LixBB-NA black FR



Art. No.: 908201

M 1:2

Applications

Airport logistics	Tray conveyor
Automotive	Press-in-feed/inter-press conveyors
Building material industry	Brick conveying / Tiles conveying / Stone transport
Food industry	Transport of packed food in freezers
General material handling	Horizontal conveying
Logistics	Acceleration conveyor; Braking conveyor; Parcel handling; Telescopic conveyor
Tire/Rubber	Quality control / storage; Rubber extrusion & cooling

Order information

Article number	908201
Suitable for corrugated side walls	No
Belt style	PHR = Package Handling Rubber
Standard delivery width	1829 mm / 72.01 in
Longitudinal seam possible	No

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Construction

Top face material	Styrene butadiene rubber
Surface pattern	Light impression
Coating thickness	0.79 mm / 0.031 in
Color	Black
Driving face material	Resorcinol formaldehyde latex impregnation
Surface pattern	Fabric
Color	Black
Tension member material	Fabric of polyester filament warp and monofilament weft
Number of fabric plies	2
Driving face weave	Plain weave

Technical data

Total thickness	3.58 mm ± 0.36 0.141 in ± 0.014
Weight	4.3 kg/m ² ± 0.43 0.88 lbs/ft ² ± 0.088
k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005	4.73 N/mm / 27 lbf/in
Recommended Elongation at fitting min.	0.3 %
Recommended Elongation at fitting max.	1.5 %
Rated working tension	16 N/mm / 90 lbf/in at 2 % Elongation
Friction coefficient of driving face against steel panel according ISO 21182	0.16
Friction coefficient of top face against steel panel according ISO 21182	0.8
Permissible operating temperature	-29/107 °C -20/225 °F

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Properties

Lateral stiffness	Laterally stiff
Troughable	No
Suitable for accumulation	No
Inclined conveying	No
Suitable for knife edges	No
Suitable for curves	No
Flame-retardant	FR (ASTM D-378)
Noise development	Normal
Particular surface properties	<ul style="list-style-type: none"> ▸ Good grip ▸ Coating/fabric abrasion resistant
Coating/fabric exceptionally cut resistant	Yes
Belt support	Slider bed (support rollers possible)
UV resistance	Improved

Electrostatic properties

Not antistatic	Belt material with electrically insulating properties
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Fabrication

Suitable for corrugated side walls	No
Profiles on top face	No
Profiles on underside	Yes
Mechanical fasteners	HS-24; 1 HT; 2 SP HT; HS-52; HS-57; Alligator®RS125; Clipper® #1; CS-05

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Minimum drum diameter

Mechanical Alligator® fastener, bending	89 mm / 3.5 in
Wedge overlap splice, counter-bending	127 mm / 5 in
Mechanical HS fastener, bending	89 mm / 3.5 in
Wedge overlap splice, bending	89 mm / 3.5 in
Remarks	dmin = 60 mm with counter bending approved for mechanical fasteners HS-52 & HS-57 (1 HT & 2 SP HT)

Remarks

Chemical resistance	R
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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.

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