

Product Data Sheet

PHR2-90MF GRADE II RTxBBB black



Art. No.: 908214

M 1:2

Applications

Airport logistics	Tray conveyor
General material handling	Conveying and turning of sacks; Inclined conveying of unit goods / containers in wet sectors
Logistics	Acceleration conveyor; Braking conveyor
Metalworking & automotive industry	Conveying stamping waste; Transport of metal parts
Tyre industry	Batch-off; Rubber extrusion & cooling
Wood industry	Board conveying

Order information

Article number	908214
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, grade II
Surface pattern	Rough-top, fabric embossing
Coating thickness	5.08 mm / 0.2 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	7.01 mm \pm 0.35 0.276 in \pm 0.014
Weight	6.44 kg/m ² \pm 0.32 1.32 lbs/ft ² \pm 0.066
k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005	4.5 N/mm / 25.7 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	0.2
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	Yes
Suitable for knife edges	No
Suitable for curves	No
Flame-retardant	No
Noise development	Normal
Particular surface properties	<ul style="list-style-type: none"> ► Excellent grip ► Coating/fabric abrasion resistant
Belt support	Slider bed (support rollers possible)
UV resistance	Improved

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.
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Fabrication

Suitable for corrugated side walls	No
Profiles on top face	No
Profiles on underside	Yes
Mechanical fasteners	CS-06; HS-26

Minimum drum diameter

Mechanical fastener, bending	64 mm / 2.5 in
Wedge overlap splice, counter-bending	127 mm / 5 in
Wedge overlap splice, bending	89 mm / 3.5 in

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Remarks

Chemical resistance	Low
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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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