

### Product Data Sheet

# PHR2-90MF GRADE II RTxBB black



Art. No.: 908214

M 1:2

### Applications

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

### Order information

<b>Article number</b>	908214
<b>Suitable for corrugated side walls</b>	No
<b>Belt style</b>	PHR = Package Handling Rubber
<b>Standard delivery width</b>	1829 mm / 72.01 in
<b>Longitudinal seam possible</b>	No

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#### Construction

<b>Top face material</b>	Styrene butadiene rubber, grade II
<b>Surface pattern</b>	Rough-top, fabric embossing
<b>Coating thickness</b>	5.08 mm / 0.2 in
<b>Color</b>	Black
<b>Driving face material</b>	Resorcinol formaldehyde latex impregnation
<b>Surface pattern</b>	Fabric
<b>Color</b>	Black
<b>Tension member material</b>	Fabric of polyester filament warp and monofilament weft
<b>Number of fabric plies</b>	2
<b>Driving face weave</b>	Plain weave

#### Technical data

<b>Total thickness</b>	7.01 mm ± 0.53 0.276 in ± 0.021
<b>Weight</b>	6.44 kg/m <sup>2</sup> ± 0.48 1.32 lbs/ft <sup>2</sup> ± 0.099
<b>k1% value relaxed (effective pull at 1% elongation), established in line with ISO 21181:2005</b>	4.73 N/mm / 27 lbf/in
<b>Recommended Elongation at fitting min.</b>	0.3 %
<b>Recommended Elongation at fitting max.</b>	1.5 %
<b>Rated working tension</b>	16 N/mm / 90 lbf/in at 2 % Elongation
<b>Friction coefficient of driving face against steel panel according ISO 21182</b>	0.2
<b>Permissible operating temperature</b>	-29/107 °C -20/225 °F

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#### Properties

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

#### Electrostatic properties

<b>Antistatic</b>	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

<b>Suitable for corrugated side walls</b>	No
<b>Profiles on top face</b>	No
<b>Profiles on underside</b>	Yes
<b>Mechanical fasteners</b>	CS-06; HS-26; Alligator®RS62; Clipper® UCM36

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#### Minimum drum diameter

<b>Mechanical Alligator® fastener, bending</b>	89 mm / 3.5 in
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<b>Mechanical Clipper® fastener, bending</b>	89 mm / 3.5 in
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<b>Wedge overlap splice, counter-bending</b>	127 mm / 5 in
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<b>Mechanical CS fastener, bending</b>	89 mm / 3.5 in
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<b>Mechanical HS fastener, bending</b>	102 mm / 4 in
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<b>Wedge overlap splice, bending</b>	89 mm / 3.5 in
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#### Remarks

<b>Chemical resistance</b>	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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