

# PHB M 90/2 LixBB black FR

Article code: RBPH000017

## General information

<b>Productgroup</b>	Rubber Belts
<b>Industry segment</b>	Logistics: Distribution & warehousing
<b>Main product feature</b>	Flame retardant, High friction
<b>Application</b>	Loading and unloading, Telescopic conveyors, Metering
<b>Indication of use</b>	Slider bed, Rollers

## Belt construction

<b>Tension layer</b>		polyester/polyamide
<b>Lateral stability</b>		yes, exceptionally laterally stiff
<b>Number of plies</b>		2
<b>Top side</b>	<b>material</b>	SBR
	<b>profile</b>	light impression
	<b>color</b>	black
<b>Bottom side</b>	<b>material</b>	impregnated fabric
	<b>color</b>	black

## Characteristics

<b>Antistatic (AS)</b>	no	
<b>Flame-retardant (FR)</b>	yes	ASTM D-378

## Technical data

<b>Hardness</b>	ISO 869	top side	58 Shore	
<b>Elastic modulus (k1% relaxed)</b>	ISO 21181		4 N/mm	22.84 lbs/in.
<b>Rated working tension</b>			16 N/mm	91.36 lbs/in.
<b>Elongation at rated tension</b>			2 %	
<b>Longitudinal tear</b>			267 N	60.02 Lb
<b>Finished belt gauge</b>			3.3 mm	0.13 in.
<b>Belt weight</b>			4.4 kg/m <sup>2</sup>	0.9 lbs/ft <sup>2</sup>
<b>Coefficient of friction</b>	bottom against steel	dynamic	0.2	
		static	0.25	
	top against steel	dynamic	> 1.0	
		static	> 1.0	
<b>Operating temperature</b>	continuous	from / to	-20 / 80 °C	-4 / 176 °F
	short	from / to	-20 / 90 °C	-4 / 194 °F
<b>Minimum pulley diameter</b>	flexing		50.8 mm	2 in.
<b>Manufacturing width</b>	maximum		1829 mm	72.01 in.

## Fabrication

<b>Corrugated side walls</b>	no
<b>Profiles on top side</b>	no
<b>Profiles on bottom side</b>	yes
<b>Mechanical fasteners</b>	Clipper # 2 HT

### **Additional information**

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.

We recommend to pretension the belt to a level that it does not slip at full belt load.

During the life time of the belt, the pretension should not go below this level.

To maximize the service life of the belt we recommend not to increase the belt tension above this level.