

PHB M 90/2 BBxBB black FR

Article code: RBP000019

General information

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

Belt construction

Tension layer		polyester/polyamide
Lateral stability		yes, conditionally laterally stiff
Number of plies		2
Top side	material	impregnated fabric
	color	black
Bottom side	material	impregnated fabric
	color	black

Characteristics

Antistatic (AS)	no	
Flame-retardant (FR)	yes	ASTM D-378

Technical data

Elastic modulus (k1% relaxed)	ISO 21181		4 N/mm	22.84 lbs/in.
Rated working tension			16 N/mm	91.36 lbs/in.
Elongation at rated tension			2 %	
Longitudinal tear			267 N	60.02 Lb
Finished belt gauge			2.79 mm	0.11 in.
Belt weight			3.95 kg/m ²	0.81 lbs/ft ²
Coefficient of friction	bottom against steel	dynamic	0.2	
		static	0.25	
	top against steel	dynamic	0.2	
		static	0.25	
Operating temperature	continuous	from / to	-20 / 80 °C	-4 / 176 °F
	short	from / to	-20 / 90 °C	-4 / 194 °F
Minimum pulley diameter	flexing		40 mm	1.57 in.
Manufacturing width	maximum		1829 mm	72.01 in.

Fabrication

Corrugated side walls	no
Profiles on top side	no
Profiles on bottom side	yes
Mechanical fasteners	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.