Technical datasheet

PHB F 160/2 LIxBB black FR

Article code: RBPH000010



| General information | |
|----------------------|---------------------------------------|
| Productgroup | Rubber Belts |
| Industry segment | Logistics: Distribution & warehousing |
| Main product feature | Flame retardant, High friction |
| Application | Curved conveying |
| Indication of use | Slider bed, Rollers, Troughed |

| Belt construction | | |
|-------------------|----------|-----------------------------------|
| Tension layer | | polyester/polyamide |
| Lateral stability | | no, conditionally laterally stiff |
| Number of plies | | 2 |
| Top side | material | SBR |
| | profile | light impression |
| | color | black |
| Bottom side | material | impregnated fabric |
| | color | red |
| | | |

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

Technical data top side Hardness ISO 869 58 Shore Elastic modulus (k1% relaxed) ISO 21181 8 N/mm 45.68 lbs/in. **Rated working tension** 159.88 lbs/in. 28 N/mm 2 % Elongation at rated tension Longitudinal tear 667 N 149.95 Lb Finished belt gauge 3.8 mm 0.15 in. 4.6 kg/m² Belt weight 0.94 lbs/ft² **Coefficient of friction** bottom against steel dynamic 0.2 0.25 static top against steel dynamic > 1.0 static > 1.0 **Operating temperature** continuous from / to -20 / 80 °C -4/176 °F -20 / 90 °C -4/194 °F short from / to Minimum pulley diameter flexing 89 mm 3.5 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.

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