

Термоуплотнительные ленты

Описание

По вопросам продаж и поддержки обращайтесь:

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RESISTRON HEAT-SEAL BANDS

We design and manufacture custom bands and tools for new projects to meet your exact requirements and project specifications.



CUSTOM CONTOURED HEAT-SEAL BANDS

The heat-sealing band is the main component in the sealing process. A heat-sealing band which is optimally adapted to the carrier design and the film properties is vital to the success of your impulse sealing system. Like ROPEX heat-sealing bars, our heat-sealing bands can be supplied in straight versions or with 2D or 3D contours.

Our possibilities are diverse: Whether-construction according to your design, fabrication of existing bands or optimization of the design for best sealing solutions. For new projects we design and manufacture customized contoured strips and tools according to your specifications.

Contours available:

- Open and closed contours (simple to complex shapes)
- Precision large and miniature bands
- Cutting wires
- Precisely located fixture tabs and welded location pins
- Terminal options: inside/outside tabs (or both), surface sealed tabs, brass tabs
- Defined active heating zones (zebra bands)
- Copper, or copper -nickel plated band tabs for improved heat-seal band life
- Spout sealing

STRAIGHT SEALING BANDS



Straight heat-sealing bands

Straight heat-sealing bands (strips) are the most widespread.

Their thickness, width, profile, length and alloy vary according to the application. Heat-sealing bands can have a thickness of 0.1 mm to 0.4 mm and are usually between 2 mm and 10 mm wide. The length ranges from a few centimeters to several meters.

The part of a flat band facing the film is generally wedge-shaped (tapered), to ensure that a sufficiently strong sealed seam is also created at the edges.

The design of the heat-sealing band ends also varies considerably. A reliable connection must be guaranteed between the band and the bar end block.

Easy handling and freedom from contact resistances are also important.

Sleeves, eyelets and brass end pieces are used for this purpose.

Parts of the heat-sealing bands that don't need to be heated for sealing – especially the free ends – are passivated by suitable types of coating. This prevents them from overheating, which is also vital for precise temperature control.

Heat-sealing bands play a functional role in the impulse heat-sealing process, which means we – as the supplier – have no room to compromise on quality.

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3D CONTOURS



3D contours

Heat-sealing bands can also be supplied with a 3D contour to match our sealing bars. This is necessary for sealing applications featuring a spout, for instance. The heat-sealing band corresponds exactly to the contour of the closure. One particular challenge here is that instead of simply sealing the film, it must be sealed with a closure.

CUSTOMIZED VERSIONS



Customized version

Many applications require highly customized heat-sealing bands. We can provide exactly the right solution – from bands with multiple temperature zones to circular heating tools. With our longstanding experience and our 3D CAD system, even the most complex geometries are not a problem.

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