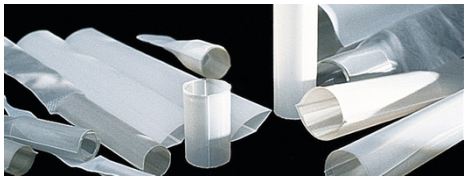
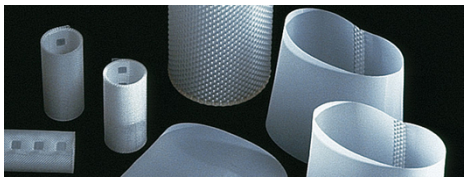
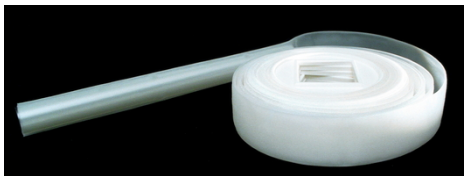
Tubes

Our tubes are used in a variety of applications or products, such as: automotive filters, aerospace filters and healthcare filters







Product Features

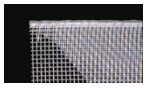
Heat-slit tubes

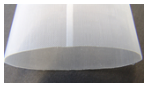
For injection molding, we offer our medical solutions in the form of one to two layered tubes or tube sections. With our hot and ultrasonic cutting technologies, we can create tubes down to a minimum diameter of 2.5 mm. Depending on the component and requirements, the tubes are equipped with one or two functional seams, which provide the necessary seam strength. Ultrasonic welded tubes have one overlapping weld and like in the ultrasonic slitter, the material passes over an anvil that emits a high frequency to bond the material together into a tube. Dual-layer slit tubes have two edges on the side of the tube. These edges or wings allow for the tube to be placed into a molding device and can be held on both sides of it. The individual cutting of the tubes results in the so-called Tubes Cuts, which are also available in conical form.

DOWNLOADS

Technical List: Open Mesh Fabrics

Product forms





Referenzen

- All fabrics with thread diameters < 250 µm and mesh openings < 500 µm can be heat slit
- Heat-slit tubes are specified by having a defined inner diameter. Diameters range from 6 to 320 mm
- The inner diameter of the heat-slit tube does not equal the flat width of the tube itself. The effect of

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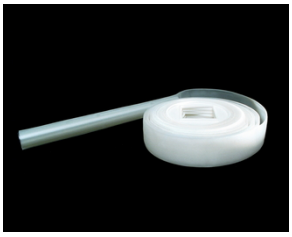
- welded 'wings' on either side has to be taken into consideration. The width depends on the mesh type
- Ultrasonic flat-welded tubes 2 – 168 mm for fabrics up to 500 µ

Making-up



- Tubes are wound onto standard cores (polyester discs) which have an inner square hole of 30 x 30 mm and an outer diameter of 61 mm
- Upon request tubes can also be rolled onto ABS rings with a inner diameter of 76 mm (3").
- Depending on fabric type and tube dimensions, roll length of up to 500 m are possible.

Packaging / labeling

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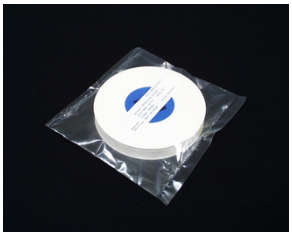
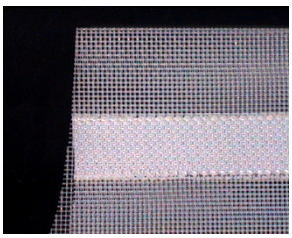


- Tube rolls are packed into sealed PE bags
- Heat-slit tubes made of SEFAR MEDIFAB fabrics are double bagged
- The label contains the following information: manufacturer, material, dimensions (diameter in mm, length in m), manufacturing date, order number, roll number

Ultrasonically welded tubes

Fabrics, single and multilayer, can be ultrasonically welded into tube configurations. Tubes are made with one overlapping ultrasonic weld. Welds are accurate, clean and are made without the introduction of secondary material to the weld.

Product forms



- All fabrics having thread diameters < 250 µm and mesh openings < 500 µm can be ultrasonically welded
- Tube diameters range from 2 to 250 mm

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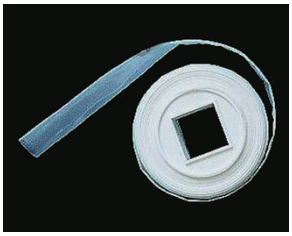
Making-up



- Tubes are wound onto standard cores
- Polyester discs have an inner square hole 30 x 30 mm and an outer diameter of 61 mm
- Depending on fabric type and tube dimensions, roll length of up to 700 m are possible

Packaging / labeling

- Tube rolls are packed into PE bags that are closed by welding
- The label contains the following information: manufacturer, material, dimensions (diameter in mm, length in m), manufacturing date, order number, roll number

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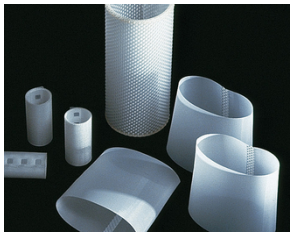
Tubes, cut to length

Tubes, cut to length, are segments cut from woven, ultrasonically welded or heat-slit tubes.

Product forms



- Laser cutting provides heat-sealed, non-fraying edges.

  Tube diameters range from 2 to 80 mm, lengths range

  from 10 to 500 mm.
- Cold cutting provides non-sealed edges that may fray.

  Diameters range from 80 mm to 125 mm,

  lengths range from 10 to 1000 mm.

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Packaging / labeling

- Tube segments are packed into PE bags that are sealed by welding.
- Tube segments made of SEFAR MEDIFAB fabrics are double bagged.
- The label contains the following information: manufacturer, material, dimensions (diameter in mm, length in m), manufacturing date, order number, roll number, number of pieces per bag.

Your Benefits

- Non-fraying edges (laser cut)
- Customizable dimensions (variety of diameters)
- Suited for healthcare applications (SEFAR MEDIFAB, double bag)
- Traceability (label)
- Easy handling (various cores available)

For industry/application specific use of ribbons see links below:

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For further information and fabric samples, please select the preferred contact option on the right.

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