

AP-Tube PFA Convoluted

Flexible and elastic convoluted tubing made of PFA.

food approved | spiral-free | metal-free | resistant to chemicals | flame retardant

Product Details

Key facts

- Product Advantages: heat- and steam-resistant material, non-toxic, physiologically harmless, material with excellent non-stick properties, material is non-stick and therefore easy to clean, NSF/ANSI 51 approval (depending on the product type), food compliant (FDA/EU...) depending on the product type, antistatic and electrically conductive in accordance with ATEX 94/9/EC (depending on the product type), tight bending radii are possible without any risk of kinking, good weldability, tubes are autoclavable or steam sterilisable

Construction / Material

- Type of construction: extruded hose without metal spiral
- Execution of the wall: made from a copolymer of TFE (tetrafluoroethylene) with a side chain modification of PPVE (perfluoropropylvinyl ether)
- Material of the wall: fully fluorinated plastic PFA (perfluoroalkoxy)
- Specifications of the wall: non-flammable (UL 94: V0)

Properties

- Chemical Properties: good resistance to solvents, good UV resistance, weather-resistant, free from paint wetting impairment substances (LABS), low extractability, chemical inertness, good resistance to aggressive chemicals
- Mechanical Properties: high mechanical strength and surface hardness, high resistance to stress cracking, high fatigue strength under bending, very low sliding and static friction expressed by a low coefficient of friction, high elongation at break

- Physical Properties: low permeation, low surface energy, good dielectric properties
- Colour: transparent to translucent (depending on wall thickness), other colours available according to the RAL colour chart
- Other: resistance to harsh environment

Operating Temperature

- Temperature Range: -200 to 260 °C

Delivery Information

- Delivery, type of production: rings 25/50 m, cuts, reels, lengths on request, other dimensions can be produced at short notice on request

Application Areas

- Areas of application: Robotics & Automation, Medical Technology, aviation technology, Ventilation & Air-conditioning, Bulk & Construction, Chemistry, Painting Technology

Article Variants

Length (standard lengths available for order) in m

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Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).



Individual consultation

We offer consultation by phone: **+49 209 97077 0**

Product requests via: **https://www.masterflex.it/**

Headquarters for your sales area

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