

AP-Tube ETFE Convoluted

Convoluted tubing made of ETFE with good mechanical properties

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

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, food compliant (FDA/EU...) depending on the product type, the deformation of the processed material under load is lower than with fully fluorinated plastics ("reduced cold flow"), good weldability, tubes are autoclavable or steam sterilisable

Construction / Material

- Type of construction: extruded hose without metal spiral
- Material of the wall: partially fluorinated plastic ETFE (ethylene tetrafluoroethylene)
- 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), chemical inertness, good resistance to aggressive chemicals
- Mechanical Properties: high resistance to stress cracking, high mechanical strength and impact resistance, very low sliding and static friction expressed by a low coefficient of friction, very good mechanical properties
- Physical Properties: low permeation, low surface energy, good dielectric properties
- Pressure Resistance: very pressure resistant

- 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: -100to 150°C
- short-term maximum temperature: without load up to 190 °C

Delivery Information

- Delivery, type of production: only a few standard products in stock, almost all customer-specific dimensions can be realised, special sizes can be produced with minimum production quantities of several hundred metres, packaging in defined ring lengths, wound on spools or in cut lengths

Application Areas

- Areas of application: Bulk & Construction

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-slang.nl/**

Headquarters for your sales area

Masterflex SE

Willy-Brandt-Allee 300
45891 Gelsenkirchen
Germany