

AP-Tube PTFE Modified

Modified PTFE tubing with lower permeability and low cold flow

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

Product Details

Key facts

- Product Advantages: good weldability, tubes are autoclavable or steam sterilisable, heat- and steam-resistant material, non-toxic, physiologically harmless, material with excellent non-stick properties, USP Class VI compliant product types available, 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), deformation under load is minimal even at room temperature ('cold flow')

Construction / Material

- Type of construction: extruded hose without metal spiral
- Execution of the wall: made of electrically insulating material, made from a homopolymer of TFE (tetrafluoroethylene)
- Material of the wall: fully fluorinated plastic PTFE (polytetrafluoroethylene)
- 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: very high mechanical strength and surface hardness, high resistance to stress cracking, very low sliding and static friction expressed by a low coefficient of friction, lowest coefficient of friction of all fluoroplastics, high mechanical strength at high temperatures, high elongation at break
- Physical Properties: low permeation, low surface energy, good dielectric properties

- Colour: naturally milky white, translucent, 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: wide range of standard dimensions, larger dimensions are supplied in rolls as standard, other dimensions or tolerances available at short notice on request, tubes in accordance with AWG standard (American Wire Gauge), sizes AWG 30 to AWG 10, supplied on plastic spools

Application Areas

- Areas of application: Automotive, Chemistry, Painting Technology, Food & Pharma, aviation technology, Plant & Mechanical Engineering, Medical Technology

Article Variants

Length (standard lengths available for order) in m

keine Datentabelle, Seite bitte löschen!

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

Masterflex SE

Willy-Brandt-Allee 300
45891 Gelsenkirchen
Germany