

## How to choose TPE weldable tubing with excellent welding performance

In various critical fluid processing and fluid management applications of biopharmaceuticals, TPE thermoplastic weldable tubing are a key component of disposable products in the biopharmaceutical industry, mainly used in production processing such as storage bags, mixing bags, sampling and packaging, and integrated systems for liquid filling. The main imported brands of TPE weldable tubing, C-flex and AdvantaFlex, have been used in the biopharmaceutical industry more than 30 years, and their welding effects and product performance have been widely accepted by biopharmaceutical practitioners. With the China–United States trade war and the United States' policy of decoupling and chain breaking in the high-tech field for China's biopharmaceutical industry, the biopharmaceutical enterprises of China urgently need a domestic product with excellent performance to become their irreplaceable alternative. As an excellent alternative to the imported brands, the product must meet the following two core requirements, none of which is indispensable:

1. The welding performance of alternative brand products must be able to have a perfect cross-welding effect with imported products. Only simply having good self-welding effect is not enough and does not have adaptability.
2. The welding performance and heat-sealing performance of alternative brand products must be compatible with mainstream welding and sealing machine equipment in the current market, without the need to set or change the operating parameters of the equipment.

MedFlex® TPE weldable tubing, under 3 years of developing and testing, has excellent compatibility with C-flex and AdvantaFlex TPE weldable tubing. Whether it is self-welding of the same brand product or cross-welding between different brands, its welding effect is extremely excellent, and it is fully compatible with mainstream brands welding and sealing equipment on the market. And the product has the same complete biological certification and same low level extractables indicators as imported brands.

Characteristics of MedFlex TPE thermoplastic tubing:

- ✓ Good for aseptic heat sealing and aseptic welding
- ✓ Excellent internal surface smoothness of the product
- ✓ Temperature resistance range from -66 °C to 135 °C
- ✓ Lower fluid permeability compared to organic silicon
- ✓ Materials formula ingredients have no animal origin
- ✓ Suitable for steam, electron irradiation, and ETO sterilization
- ✓ Comply with ISO10993, USP87,88, 151,665&EP3.2.9 etc.



MedFlex® 360

Shanghai Medloop Material Technology Co., Ltd

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4 Building, 201Cuibo RD, Shanghai Free Trade Zone lingang new area, China