



MELITEK specializes in supply of polymer+ and elastomer compounds specially designed and manufactured for healthcare applications.

Our meliflex products are offered in three category ranges:

**meliflex XP** are unique flexible polyolefin based compounds special designed to offer a viable substitution to soft PVC and TPU featuring:

- Flexibility and softness
- Low density
- Transparency
- Kink resistance
- Sterilizable by EtO and radiation
- Steam sterilization at 121°C
- Good chemical resistance and low drug absorption
- Recyclable and good environmental profile

**meliflex XC** are customized polymer+ compounds offering enhanced properties for value added performance featuring:

- Enhanced physical properties (e.g. stiffness, impact)
- Pre-coloured ready to use (standard and customer colours)
- UV protection
- Surface properties (e.g. friction, antistatic, scratch resistance, hydrophilic, low retention)
- Antimicrobial
- Laser marking or welding

**meliflex XR** are soft TPE compounds specially designed for rubber-like properties while offering easy processing allowing freedom in product design for various soft-touch and seals applications, featuring:

- Wide range in softness (Shore 20A –95A)
- Good compression set
- Wide service temperature (-20°C - +125°C)
- Good chemical resistance
- Easy processing
- Available without or with filler
- Co-moulding/2K moulding to PP, PE and engineering resins
- Types for specific applications available (e.g. drip chambers, stoppers, ports and caps)

## Design

All meliflex materials can be customized for enhanced performance and additivites for added value features.

## Environment & Sustainability

Since most healthcare products are disposables with often long life cycle, it is essential that material selection is wise and considering long-term environmental impact and sustainability.

MELITEK key offering on sustainability:

- **Design for recycling** – meliflex materials are mainly polyethylene or polypropylene based, thus recyclable in large material streams.
- **Eco-design** – meliflex materials are designed with enhanced properties to offer more sustainable alternative to e.g. PVC, TPU or many engineering resins, thus allowing for wider scope of use for polyolefin based materials.
- **Waste reduction** – meliflex products have lower density compared to most other plastic types and thereby reduce waste quantity. The quality of meliflex products enables high yields and reduction of production waste.
- **Sustainable polymer solutions** – we are able to offer most meliflex types produced from bio attributed polymers, derived from bio-waste according to ISCC certified mass balance principle. In near future, meliflex will also be available produced from polymers derived from chemical recycling of plastic waste. These options will result in either CO<sub>2</sub>/GHG reductions or plastic circularity.
- **Renewable energy** – since 2020, MELITEK produce all meliflex products using electricity generated from renewable energy sources.

## Quality & Supply

MELITEK produce all our meliflex materials at dedicated and modern production plant operating under ISO 13485:2016 and in accordance to GMP (EC 2023/2006) to ensure highest quality.

All products are based on premium healthcare polymers from leading suppliers in class. meliflex types are typically supplied with 24 month notification of change and supply security.

## Compliance

meliflex materials complies with:

- REACH & SVHC
- Food compliant FDA 21CFR and EU 10/2011
- ISO 10993, USP 87, USP 88, USP 661, Ph. Eur.
- Free from: latex, BPA, phthalates, PVC, BSE/TSE and nitrosamines

Details in our Regulatory Data Sheets.

## Company

MELITEK was established in 1979 and is private independent producer of compounds located in Denmark fully dedicated to serve healthcare applications. We operate multiple segregated lines offering a total nom. capacity of 50.000 tons.

We export globally and have warehouse setup to support sale in Asia, America and Europe.

We take pride in being fully devoted to service healthcare market with innovative, sustainable and trusted polymer solutions customized for added value.

## Specialty materials are best served by a specialty producer.

Please contact our sales team to discuss your needs and our offering. Curious to learn more, please go to [www.melitek.com](http://www.melitek.com)



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# MELITEK

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