

PolyMediX[®]

by MeKo

High-Precision Polymer Tubes with Drug Integration

PolyMediX[®] tubes are manufactured with a new innovative process. With **PolyMediX[®]**, MeKo produces high-precision implants from polymer materials that are perfectly adapted to customer requirements. The gentle manufacturing process enables the integration of drugs into the polymer tube wall.

- ✓ Developed for implants, such as stents
- ✓ Biocompatible thanks to high chemical purity
- ✓ High tube concentricity
- ✓ Wall thickness tolerance of +/- 5 µm
- ✓ PLLA, PGA, PCL and other polymers
- ✓ Selection of different drugs



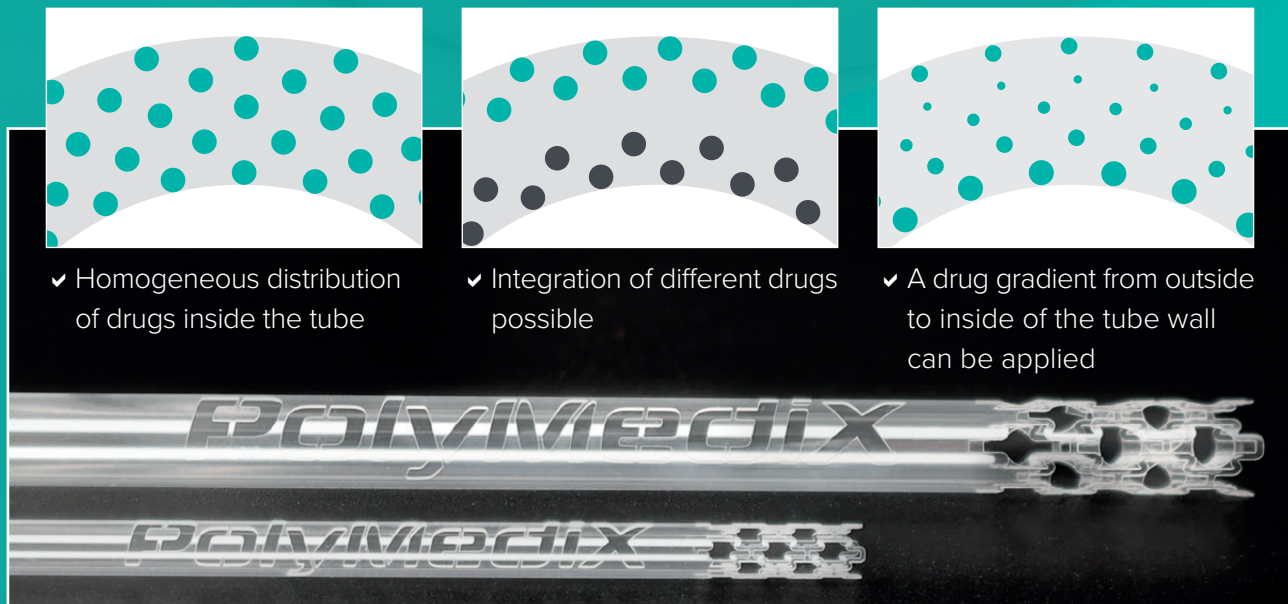
✓ INTEGRATION OF DRUGS
IN THE TUBE WALL
FOR LONG-TERM TREATMENTS



✓ BIORESORBABLE

Long-Term Treatment of Health Conditions with PolyMediX®

The ability to integrate drugs in the wall of bioresorbable polymer tubes is a unique feature. The drugs are released as the implant material dissolves in the body. This enables a long-term treatment of health conditions.



✓ Homogeneous distribution of drugs inside the tube

✓ Integration of different drugs possible

✓ A drug gradient from outside to inside of the tube wall can be applied

Technical Data

Whether with or without drugs – the gentle manufacturing process ensures optimal mechanical and chemical properties. The high-precision polymer tubes show minimal wall thickness tolerances, e.g., +/- 5 µm at a wall thickness of 150 µm. Tubes can be manufactured with as little as 5 g of polymer material.

	Length	Diameter	Wall thickness
PolyMediX® variants	up to 250 mm	3 to 10 mm	100 to 500 µm

Special sizes are available upon request

MeKo – The Experts for Bioresorbable Implants

In 2011, MeKo presented **Resoloy®**, the resorbable magnesium alloy for scaffolds, which is used for resorbable implants. With the **PolyMediX®** platform, MeKo is expanding its repertoire in the field of bioresorbable materials and utilizing its unique expertise in the production of bioresorbable implants.

PRECISION IS OUR PROFESSION

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