



## For the best Flow: MedNet further extends its comprehensive portfolio of Tubing

- wide range of sizes
- material selections to support diverse applications
- medical compliance

Münster 2020/08/02 - MedNet, supplier and manufacturer of medical and pharmaceutical components, expands its comprehensive portfolio of tubing with additional materials and configurations. Beside an increased range of tube sizes, the portfolio now covers materials including Silicone, Polyurethane (PU/PUR), Acrolene XP™ (flexible TPE), Linear Low-Density Polyethylene (LLDPE/PE) and Polyvinyl chloride (PVC).

The material selection allows designers to manage key mechanical and chemical properties ranging from shore hardness, flexibility over kink and temperature resistance to bondability. Medical grades can be DEHP or plasticiser free and are suitable for a range of sterilisation procedures.

In specific, the following advantages are given by the different materials:

<b>Silicone</b> Shore hardness: 58A	This clear, extremely flexible material is resistant against high temperatures. Due to its memory effect (it returns to original form after deformation) it is often be used in pump systems. Our silicone is plasticizer-free. Upon request we can supply silicone tubing with radiopaque stripes and/or colour coding. As the material of our Silicone tubing was tested for USP Standard Class VI and various ISO10.993 standards, it is suitable for use in medical applications. The tubing can be sterilized by autoclave, gamma radiation and Ethylene Oxide (EtO) gas.
<b>Polyurethane (PU/PUR)</b> Shore hardness: 85A	Polyurethane is a flexible material distinguished by high mechanical strength and kinking resistance. It is plasticizer-free and is often used for its good bondability.
<b>Acrolene XP™ (TPE)</b> Shore hardness: 75A	Designed as a polyethylene based tubing with advanced performance capabilities, Acrolene XP™ is not only flexible but highly chemical and temperature resistant. It can be used for a great variety of applications.



<b>Linear Low-Density Polyethylene (LLDPE)</b> Shore hardness: 44D	LLDPE is a flexible material that exhibits excellent chemical resistance. It is plasticizer-free and cost efficient.
<b>Polyvinyl Chloride (PVC)</b> Shore hardness: 70A	Our Polyvinyl chloride tubing is a flexible, cost efficient tubing solution providing good bonding performance. It is a DEHP-free material that passed USP VI and Cytotoxicity testing for biomedical devices.

The MedNet tubing as well as various other unsterile components for medical and industrial applications can be found in MedNet's online catalog under [www.medneteuropa.com/components](http://www.medneteuropa.com/components).

Since 1990 **MedNet GmbH** has been a competent service provider and supplier for the medical device and pharmaceutical industry. As a European company with headquarters in Germany we offer a wide portfolio in standard components from well-known manufacturers as well as our own product lines for interventional radiology, infusion technology and others. Furthermore you can benefit from our worldwide well established network offering comprehensive material and manufacturing technologies customized to your individual requirements. With its extensive expertise on medical applications, MedNet ensures the best solution for your development or application. MedNet is ISO 13485 certified.