



**Polyurethane** on Polyether basis

PUR-tubing proof to hydrolysis and  
resistant to microbes





# “The” PUR tubing

with special product properties

Polyether-polyurethane (PUR) tubing offers the following properties, in addition to the excellent mechanical values typical of PUR, e.g. high flexibility, optimum resilience, high elongation at break or good abrasion resistance:

- **resistance to hydrolysis, i.e. enables applications in/with water**
- **resistance to microbes, i.e. ideal for outdoor applications**
- **Material is suitable for food- and medical applications; separate tests necessary**
- **suitable for energy- or drag chains**
- **appropriate for using in cable bundles, especially together with flame retarded cable sheaths**

These special product properties open up completely new applications for polyether-PUR tubing, e.g. approvals for use in medical technology or outdoor applications.

We manufacture our polyether-PUR tubing in standard Shore grade of 98A out of Polyurethanes from leading Producers, which are only manufactured in Germany. Harder or softer material grades can be provided for special applications.

The production process we have developed enables us to calibrate both the outside diameter and the wall thickness. That makes our tubing simple to use with the plug-ins or screw unions of all leading manufacturers. Moreover, we ensure that the ovality of our tubing remains within narrow limits compatible with plug-ins. This dimensional accuracy gives our tubing constant compressive strength at comparatively large inside diameters and makes it suitable for a wider range of practical uses.

By optimizing the throughput speed in combination with the optimal temperature during production, we also ensure that maximum benefit is derived from the specific material properties of PUR, giving our tubing the best possible properties in permanent service. All these measures are in line with our principle »Every inch a quality product« .

The standard range comprises the following sizes:

Outside-Ø in mm	Wall thickness in mm	Inside-Ø in mm	Weight g/m *	Minimal bend radius in mm	Minimum burst pressure (bar)
4,00	0,75	2,50	8,88	12	40
6,00	1,05	3,90	18,84	15	34
8,00	1,25	5,50	30,75	25	31
10,00	1,50	7,00	46,46	40	27
12,00	2,00	8,00	72,88	35	32
14,00	2,00	10,00	87,46	55	22
16,00	2,50	11,00	122,99	55	27

\*values are calculated | other dimensions possible

Our polyether tubing is available in the following colors:

transparent	translucent-blue	translucent-black
translucent-red	translucent-yellow	translucent-green

free of heavy metals | special colours possible

We deliver the tubing as rolls ex 5 meters, long length (up to 1.000 meters) on reusable wood reels or cut tubing ex 10 mm length. The tubes can be ordered as single or multi tubes and can be signed individual due to customers' wishes.