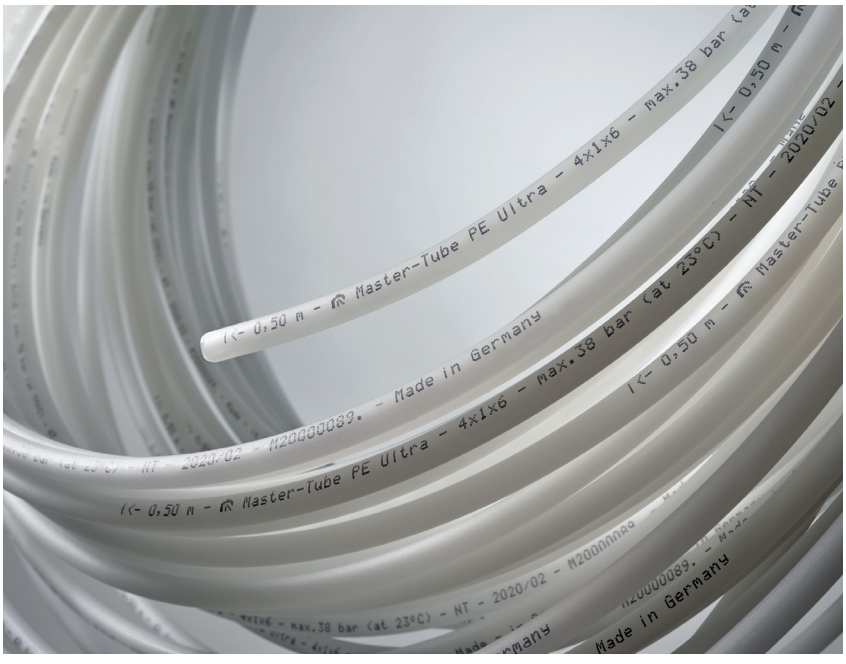
NOVOPLAST
SCHLAUCHTECHNIK

Master-Tube PE Ultra



Abrasion resistant hose with low friction coefficient and good chemical resistance/ especially suitable for feeding technology and chemical industry

Through continuous hose extrusion can be produced in continuous lengths

Material

- Ultra-high molecular weight Polyethlyen

Applications

- Feeding technology
- Chemistry
- Painting technology
- Automotive

Areas of application

- Feeding technology
- Energy Management
- Paint and solvent conveying
- Liquidhandling
- Automotive, shaft and floor tension guide
- Agricultural technology
- Pneumatic systems

Delivery options

- Dimensions:
  - Inner diameter: 2 - 10 mm
  - Outer diameter: 4 - 12 mm, from >12 mm to OD 40 mm on request
- Colours:
  - nature
  - blue
  - black
- Other sizes and colors on request
- Possible presentation
  - Roll goods
  - Cut-to-size
  - Multiple hose
  - Spiralized
  - Molded hose

Features

- Very good abrasion resistance
- High surface hardness
- Very good stress crack resistance
- Low water absorption
- Low coefficient of friction
- Structured surface
- Very good chemical resistance
- Outside calibrated
- Good hydrolysis resistance
- Cold flexible
- Plasticizer-free
- Solvent-resistant
- Drag chain compatible
- Silicone free
- Halogen free
- Push-in connector suitable
- Conditionally suitable for push-out connectors (can lead to white break)

Temperature range

- -40 °C to +80 °C

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Article variants

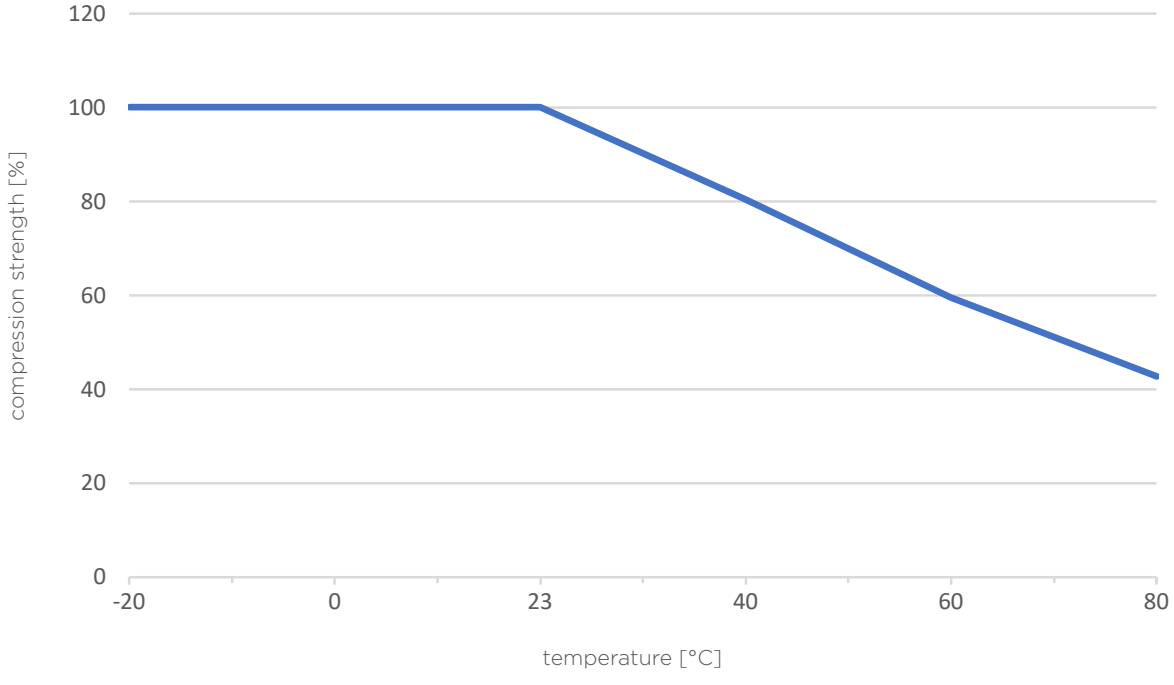
Abrasion-resistant hose with low coefficient of friction and good chemical resistance/particularly suitable for feeder technology and chemical industry

ID	WT	OD	Tolerance ID & OD	weight	max. operating pressure	smallest bending radius
mm	mm	mm	mm	g/m	bar	mm
2	1	4	± 0,10	9,1	57*	20
2,5	0,75	4	± 0,10	7,4	40	20
3	1	5	± 0,10	12,1	44*	25
4	1	6	± 0,10	15,2	38	25
5	1,5	8	± 0,10	29,6	40*	40
5,7	1,25	8	± 0,10	23,9	32	40
6	1	8	± 0,10	21,2	25*	40
6	2	10	± 0,10	48,6	44*	50
7	1,5	10	± 0,10	38,7	31*	50
8	1	10	± 0,10	27,3	19*	40
9	1,5	12	± 0,15	47,8	25*	60
10	1	12	± 0,15	33,4	18	60

*Values are calculated.
All data refer to a medium and ambient temperature of +23 °C.
ID = inner diameter, WT = wall thickness, OD = outer diameter
Data of the operating pressure with 3-fold safety factor and apply to the application medium air.

Pressure diagram for Master-Tube PE Ultra

Utilization of the permissible compressive strength (%) as a function of temperature (°C).
Data are valid for the application medium air.



All data are based on tests under optimum laboratory conditions and were carried out in accordance with Novoplast Schlauchtechnik test specifications. Any suitability of our products for a specific application requires specific testing by the user. The data are therefore subject to a corresponding reservation and are not legally binding.