



Plastic tubing

Polyethylene (LD-PE)

- Compressed air and vacuum (suitable up to 10 x 8 mm)
- Externally calibrated

Type No. 259.40 to 259.42

-10 °C to +60 °C

Characteristics

Order No.	Dimensions [mm]		Wall [mm]	Colours	Weight/metre approx. [g]	Operating pressure at 20°C [bar]	Vacuum	Bending radius min. approx. [mm]	Burst pressure at 20°C [bar]
	O.D.	I.D.							
				X=			Yes		
259.40-*	3	1.5	0.75		4.89	21		15	63
259.05-X	4	2	1		8.69	21		18	63
259.00-X	5	3	1	N (natural)	11.58	16		25	48
259.01-X	6	4	1	B (blue)	14.48	13		30	38
259.02-X	8	6	1	G (yellow)	20.27	9		40	27
259.03-X	10	8	1	R (red)	26.06	7		60	21
259.43-X	12	9	1.5	S (black)	45.60	9		65	27
259.23-X	12	10	1		31.85	6		80	17
259.41-X	14	10	2		69.48	11		80	32
259.42-**	16	12	2		81.06	9	100	27	

* 259.40 is only available in **Natural**.

** 259.42 is only available in **Natural**, **Blue** or **S** (black).

Technical data

Pressure range at 20°C [bar]	See " Characteristics "
Temperature range [°C]	-10 to +60 See " Pressure-temperature diagram "
Tolerances outside diameter (based on DIN 73378 : 1996-02)	Ø 3 mm to Ø 10 mm: ±0.1 mm Ø 11 mm to Ø 16 mm: ±0.15 mm
Hardness [Shore D]	46

Pressure-temperature diagram

Temperature [°C]	20	30	40	50	60
Pressure [%]	100	83	72	64	57

Calibrated plastic tubing made of low-density polyethylene (LD-PE)

With their soft and flexible character, combined with relatively high strengths and good resistance to stress cracking, LD-PE hoses are ideal for use in the following types of application:

- Flexible pneumatic lines in the low-pressure range, providing no special resistance to oils, greases or other hydrocarbons is required
- Compressed air control lines
- Vacuum lines
- Riser tubes for aerosol valves
- Supply lines of all kinds
- Low-priced hoses for use with screw fittings

Resistance

The supplier / manufacturer of the media used with this product is required to submit information on resistance