



**Plastic tubing
Polyamide 12 PHL**

Type No. 259.08 to 259.25

DIN 73378 – All colors except black
DIN 74324 - Air braking systems
(pigmented **BLACK**)

Characteristics

Type No.	Dimensions [mm]		Wall [mm]	Colours	Weight/metre approx. [g]	Operating pressure at 20°C [bar]	Min. bending radius approx. [mm]	Burst pressure at 20°C [bar]
	O.D.	I.D.						
259.08	3	1.5	0.75	Natural Blue Yellow Red Black Green Silver	5.40	44	15	133
259.09	4	2	1		9.51	44	20	133
259.07	4.3	3	0.5		5.78	19	25	57
259.10	5	3	1		15.84	20	35	62
259.11	6	4	1		16.01	27	30	80
259.12	8	6	1		22.42	19	40	57
259.61	10	7	1.5		42.0	15	50	70
259.13	10	8	1		28.83	15	60	44
259.14	12	9	1.5		50.44	19	60	57
259.22	12	10	1		34.89	12	85	36
259.62	14	11	1.5		61.8	10	100	48
259.24	14	12	1		41.98	10	90	31
259.25	16	12	2		89.68	23	100	71

Tolerances (DIN 73378 : 1996-02,
DIN 74324-1 : 1996-02), externally calibrated

Max. outside Ø 12 mm	± 0.1 mm
Outside Ø 14 mm or larger	± 0.15 mm

Standards / directives

DIN 73378	Polyamide tubing for motor vehicles
DIN 74324	Polyamide tubing for air braking systems

Temperature range [°C]

-40 to +80°C
The pressure resistance is reduced if the temperature rises. Refer to the >Pressure / temperature< table for the lower maximum pressures which apply at higher temperatures.

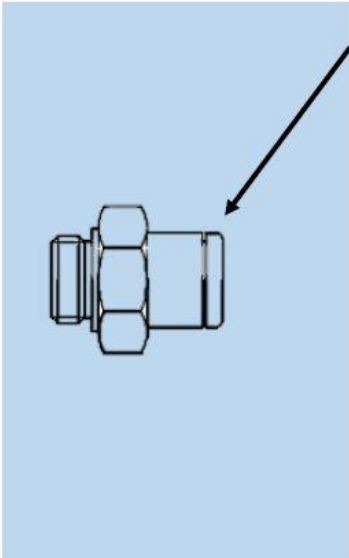
Pressure / temperature

Temperature [°C]	20	40	60	80	100
Pressure [%]	100	85	60	40	35

Shore hardness (ISO 868)

Shore D/-62-

We recommend for improved strength of push-in fittings with **PA** hoses, the following push-in fitting - hose combination:



For tube O.D.	Recommended hose Ø	Recommended hose
3	3x1.5 *	259.08 X
4	4x2 *	259.09 X
5	5x3	259.10 X
6	6x4 *	259.11 X
8	8x6 *	259.12 X
10	10x7 *	259.61 X
12	12x9 *	259.14 X
14	14x11	259.62 X
16	16x12	259.25 X

* Recommended and based on ISO 14743