

»speedfit« and »sharbite« series - straight lengths –

The offered plastic tubes have been approved for years in numerous applications. They are particularly pressure and temperature resistant, vibration-and impact-resistant, corrosion-resistant and aging-resistant and lightweight. They are ideal for the use with our push-in fittings.

Material	polyamide PA 12, hard (acc. to DIN 73378)
Operating temperature	for permanent loading: - 60 °C to 100 °C
Pipe length	3 m
Density, at 20 °C	1,04 g/cm <sup>3</sup>
Coefficient of linear expansion	15·10 <sup>-5</sup> l/K
Melting point	about 186 °C



89.1209-B



89.1209-S

### Plastic pipes made of polyamide PA 12

Art. No.	Ident No.	Tube O.D.	Tube I.D. mm	Working pressure bar	Packaging unit length	Colour
113997	89.1209-B-10	12	9	-0.95 to 38	10	blue
113987	89.1209-B	12	9	-0.95 to 38	20	blue
113998	89.1209-S-10	12	9	-0.95 to 38	10	black
113988	89.1209-S	12	9	-0.95 to 38	20	black
113999	89.1512-B-10	15	12	-0.95 to 25	10	blue
113989	89.1512-B	15	12	-0.95 to 25	20	blue
114000	89.1512-S-10	15	12	-0.95 to 25	10	black
113990	89.1512-S	15	12	-0.95 to 25	20	black
114001	89.1814-B-10	18	14	-0.95 to 28	10	blue
113991	89.1814-B	18	14	-0.95 to 28	20	blue
114002	89.1814-S-10	18	14	-0.95 to 28	10	black
113992	89.1814-S	18	14	-0.95 to 28	20	black
114003	89.2218-B-10	22	18	-0.95 to 22	10	blue
113993	89.2218-B	22	18	-0.95 to 22	20	blue
114004	89.2218-S-10	22	18	-0.95 to 22	10	black
113994	89.2218-S	22	18	-0.95 to 22	20	black
114005	89.2823-B-5	28	23	-0.95 to 20	5	blue
113995	89.2823-B	28	23	-0.95 to 20	10	blue
114006	89.2823-S-5	28	23	-0.95 to 20	5	black
113996	89.2823-S	28	23	-0.95 to 20	10	black

➔ only sold in complete packaging units!

➔ Operating pressure with 2.5 x overpressure safety!

**Degree of utilization of the allowable operating pressures (sample calculation):**

Temperature range	+20 °C	+30 °C	+40 °C	+50 °C	+60 °C	+70 °C	+80 °C to +100 °C
Tubes soft / hard	100%	80%	60%	50%	45%	40%	30%
Sample 89.1512 (hard):	Permitted operating pressure at +50 °C: 50% of 25 bar = 12.5 bar						