



## Polyamide PA-SFL tubes

### Temperature range

-50 °C to +60 °C

**Super-flexible tubes** made of a thermoplastic elastomer have higher bending capacity and impact strength especially at low temperatures as compared to plasticised PA 12 moulding compounds.

The material can be recycled in accordance with the EU Directives. These tubes are characterised by their important mechanical properties:

- Good to exceptional hot air and weather resistance
- High abrasion resistance
- Small bending radius
- No plasticisers, therefore no ageing and embrittlement

### Can be delivered ex warehouse

PA-SFL hoses are delivered in rolls of 50 m or 100 m fixed lengths or on wooden spools.

\* Delivery and minimum order quantity on request.

Other nominal dimensions and colours can be delivered on request.

### Colour (abbreviation)

We deliver PA-SFL tubes in:

natural colours (nf)  
 blue (bl)  
 red (rt)  
 black (sw)  
 green (gn)  
 yellow (ge)  
 grey (gr)

### Nominal dimensions

AD = outer diameter  
 ID = inner diameter  
 (Production dimensions)  
 Wall thickness

### Dimensions / Tolerances

AD 4.00 mm to AD 8.00 mm  
 +/- 0.07 mm

AD 9.00 mm to AD 13.00 mm  
 +/- 0.10 mm

AD 14.00 mm to AD 16.00 mm  
 +/- 0.15 mm

### Wall thick-

up to 1.00 mm +/- 0.10 mm  
 up to 1.25 mm +/- 0.13 mm  
 up to 1.50 mm +/- 0.15 mm  
 up to 2.00 mm +/- 0.20 mm

### Pressure utilisation degree (reference values) in %

Pressure utilisation	100%	77.00%	64.00%	54.00%	46.00%
Temperature	-50 °C to +20 °C	+30 °C	+40 °C	+50 °C	+60 °C

**Example:** PA-HL tube 8/6 - permissible Op. pressure at 50 °C  
 (16 bar x 54%) = 8.6 bar permissible.



## Polyamide PA-SFL tubes ●

Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2601	PA-SFL	4	2	1	Natural	36	20	9.5
2602	PA-SFL	4	2	1	Blue	36	20	9.5
2603	PA-SFL	4	2	1	Black	36	20	9.5
2607*	PA-SFL	4	2	1	Grey	36	20	9.5
2791	PA-SFL	4	2.3	0.85	Natural	26	20	8.5
2792	PA-SFL	4	2.3	0.85	Blue	26	20	8.5
2793	PA-SFL	4	2.3	0.85	Black	26	20	8.5
2797*	PA-SFL	4	2.3	0.85	Grey	26	20	8.5
2689	PA-SFL	4	2.5	0.75	Natural	24	20	7.7
2690	PA-SFL	4	2.5	0.75	Blue	24	20	7.7
2691	PA-SFL	4	2.5	0.75	Black	24	20	7.7
2694*	PA-SFL	4	2.5	0.75	Grey	24	20	7.7
2695	PA-SFL	4	2.7	0.65	Natural	16	20	6.9
2696	PA-SFL	4	2.7	0.65	Blue	16	20	6.9
2697	PA-SFL	4	2.7	0.65	Black	16	20	6.9
2701*	PA-SFL	4	2.7	0.65	Grey	16	20	6.9
2611	PA-SFL	4.3	3	0.65	Natural	16	20	7.5
2612	PA-SFL	4.3	3	0.65	Blue	16	20	7.5
2613	PA-SFL	4.3	3	0.65	Black	16	20	7.5
2617*	PA-SFL	4.3	3	0.65	Grey	16	20	7.5



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Product No.	Type	Nominal dimensions		Wall thick- ness mm	Colour	Op. pressure 20 °C bar	Min. bending radius mm	Weight g/m
		AD mm	ID mm					
2621	PA-SFL	5	3	1	Natural	27	20	12.7
2622	PA-SFL	5	3	1	Blue	27	20	12.7
2623	PA-SFL	5	3	1	Black	27	20	12.7
2627*	PA-SFL	5	3	1	Grey	27	20	12.7
2631	PA-SFL	6	4	1	Natural	22	25	15.9
2632	PA-SFL	6	4	1	Blue	22	25	15.9
2633	PA-SFL	6	4	1	Black	22	25	15.9
2634	PA-SFL	6	4	1	Red	22	25	15.9
2635	PA-SFL	6	4	1	Green	22	25	15.9
2636	PA-SFL	6	4	1	Yellow	22	25	15.9
2637	PA-SFL	6	4	1	Grey	22	25	15.9
2641	PA-SFL	8	6	1	Natural	16	35	22.2
2642	PA-SFL	8	6	1	Blue	16	35	22.2
2643	PA-SFL	8	6	1	Black	16	35	22.2
2644	PA-SFL	8	6	1	Red	16	35	22.2
2645	PA-SFL	8	6	1	Green	16	35	22.2
2646	PA-SFL	8	6	1	Yellow	16	35	22.2
2647	PA-SFL	8	6	1	Grey	16	35	22.2
2651	PA-SFL	10	8	1	Natural	12	55	28.6
2652	PA-SFL	10	8	1	Blue	12	55	28.6
2653	PA-SFL	10	8	1	Black	12	55	28.6
2657*	PA-SFL	10	8	1	Grey	12	55	28.6



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		AD mm	ID mm					
2671	PA-SFL	12	9	1.5	Natural	16	55	50.0
2672	PA-SFL	12	9	1.5	Blue	16	55	50.0
2673	PA-SFL	12	9	1.5	Black	16	55	50.0
2677*	PA-SFL	12	9	1.5	Grey	16	55	50.0
2767	PA-SFL	12	10	1	Natural	10	80	34.9
2768	PA-SFL	12	10	1	Blue	10	80	34.9
2769	PA-SFL	12	10	1	Black	10	80	34.9
2772*	PA-SFL	12	10	1	Grey	10	80	34.9
2749	PA-SFL	14	11	1.5	Natural	14	70	59.5
2750	PA-SFL	14	11	1.5	Blue	14	70	59.5
2751	PA-SFL	14	11	1.5	Black	14	70	59.5
2755*	PA-SFL	14	11	1.5	Grey	14	70	59.5
2773	PA-SFL	15	12	1.5	Natural	13	90	64.3
2774	PA-SFL	15	12	1.5	Blue	13	90	64.3
2775	PA-SFL	15	12	1.5	Black	13	90	64.3
2779*	PA-SFL	15	12	1.5	Grey	13	90	64.3
2780	PA-SFL	16	13	1.5	Natural	12	100	69.0
2781	PA-SFL	16	13	1.5	Blue	12	100	69.0
2782	PA-SFL	16	13	1.5	Black	12	100	69.0
2786*	PA-SFL	16	13	1.5	Grey	12	100	69.0