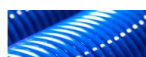
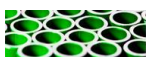


TECHNICAL DATASHEET

PA 12 SF

Material	Modified Polyamide 12 (PA12)
Product code	PA26
Product type	<ul style="list-style-type: none"> - Hoses - Spirals - Tubes
Application	Hoses and tubes for pneumatic applications
Characteristics	<p>Super flexible high-quality pneumatic hose, which offers better mechanical and thermal properties as well as pressure resistance than PA 11 SF. Flexibility is equal to PUR, but moreover PA 12 SF is resistant to hydrolysis (breakdown in water). The material is white, as its natural colour.</p> <p>Chemical: Generally good resistance to oil products, petrol, fatty substances, lubricants and solvents such as alcohol, ketones, esters and ether. Limited/poor resistance to many acids, strong bases, oxidizing agents and chlorine-based products <i>Please see separate chemical resistance chart for details</i></p> <p>Pressure: Very good UV- & weather: Excellent Working temperature: -40°C to +80°C Flame resistance: HB (UL 94) Surface hardness: - Flexural modulus: 250 MPa Moisture absorption: < 0,7 % Remarks: -</p>
Standard/Norms	
Compliance	<ul style="list-style-type: none"> - EC Regulation 1907/2006 (REACH) - Directive 2011/65/EU (ROHS) - Do not contain dual use additives
Approval	Not approved for food contact
Color	<p>Standard: White, black, grey, red, orange, yellow, green and blue</p> <p>Specialties: Special colors at an additional charge</p>
Print	Black and white printing at an additional charge



TECHNICAL DATASHEET

Packaging

Free coils, coils in carton boxes or plastic bags and on spools
Please see separate data sheet for packaging options

Data overview

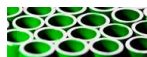
Specification of tolerances, bending radius and working pressure for standard dimensions

Tolerance: Produced in accordance with DIN 16982
Bending radius: 90° bending with min. deformation at 20°C
Working pressure: Theoretical value based on hoop stress data and a safety factor of 2,5 of burst pressure. Working pressure is stated for air only.

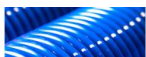
Dimension mm	Tolerance mm		Weight g/m	Bending mm	Working pressure bar				
	OD	ID			23°C	30°C	40°C	60°C	80°C
4,0/2,0	+/-0,1	+/-0,1		10	45	-	32	25	21
4,0/2,5	+/-0,1	+/-0,1		-	31	-	22	17	14
4,0/2,7	+/-0,1	+/-0,1		-	26	-	19	15	12
5,0/2,0	+/-0,1	+/-0,1		-	58	-	42	33	27
5,0/3,0	+/-0,1	+/-0,1		20	34	-	24	19	16
6,0/3,0	+/-0,1	+/-0,1		-	45	-	32	25	21
6,0/4,0	+/-0,1	+/-0,1		20	27	-	19	15	12
6,0/4,5	+/-0,1	+/-0,1		-	19	-	14	11	9
7,0/5,0	+/-0,1	+/-0,1		-	22	-	16	12	10
8,0/5,0	+/-0,1	+/-0,1		30	31	-	22	17	14
8,0/5,5	+/-0,1	+/-0,1		-	25	-	18	14	12
8,0/6,0	+/-0,1	+/-0,1		40	19	-	14	11	9
9,0/7,0	+/-0,1	+/-0,1		-	17	-	12	10	8
10,0/6,0	+/-0,1	+/-0,1		-	34	-	24	19	16
10,0/7,0	+/-0,1	+/-0,1		-	24	-	17	13	11
10,0/7,5	+/-0,1	+/-0,1		-	19	-	14	11	9
10,0/8,0	+/-0,1	+/-0,1		50	15	-	11	8	7
12,0/8,0	+/-0,1	+/-0,1		-	27	-	19	15	12
12,0/9,0	+/-0,1	+/-0,1		50	19	-	14	11	9
12,0/9,5	+/-0,1	+/-0,1		60	16	-	11	9	7
12,0/10,0	+/-0,1	+/-0,1		-	12	-	9	7	5
14,0/12,0	+/-0,1	+/-0,1		100	10	-	7	6	5
16,0/12,0	+/-0,15	+/-0,15		80	19	-	14	11	9
16,0/13,0	+/-0,15	+/-0,15		-	14	-	10	8	6
18,0/16,0	+/-0,15	+/-0,15		-	17	-	12	9	8
20,0/16,0	+/-0,15	+/-0,15		120	15	-	11	8	7
20,0/18,0	+/-0,15	+/-0,15		-	7	-	5	4	3
22,0/18,0	+/-0,15	+/-0,15		155	13	-	10	8	6
24,0/20,0	+/-0,15	+/-0,15		-	12	-	9	7	5
26,0/22,0	+/-0,15	+/-0,15		-	11	-	8	6	5

Origin

Products are "Made in Denmark" and raw material for the products originates from the EU



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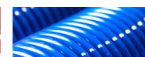
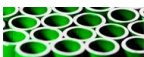
TECHNICAL DATASHEET

Documentation

Specific documentation is available for:

- chemical resistance
- permeability
- antistatic classification
- standard tolerances
- packaging
- regulatory status

The information contained in this document is based on information obtain from raw material suppliers, data selected from the literature and specific testing, but shall in no event be held to constitute or imply any warranty, undertaking, express or implied commitment from our part. Our formal specifications define the limit of our commitment. No liability whatsoever can be accepted by Knudsen Extrusion ApS regarding the handling or use of the product or products concerned which must in all cases be employed in accordance with all relevant laws and/or regulations in force in the country or countries concerned.



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