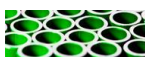


TECHNICAL DATASHEET

PA 12 PHL Y

Material	Plasticized Polyamide 12 (PA12)
Product code	PA24
Product type	<ul style="list-style-type: none"> - Hoses - Spirals - Tubes
Application	Hoses and tubes for pneumatic applications
Characteristics	<p>High quality flexible pneumatic hose with improved resistance towards pressure. Classified as PA 12 PHL Y according to DIN 73378.</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: Excellent</p> <p>UV- & weather: Excellent</p> <p>Working temperature: -40°C to +100°C</p> <p>Flame resistance: HB (UL 94)</p> <p>Surface hardness: Shore D 69</p> <p>Flexural modulus: 500 MPa</p> <p>Moisture absorption: < 1,6 %</p> <p>Remarks: -</p>
Standard/Norms	Fulfil DIN 73378 and 74324: PA12-PHL Y
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: Black</p> <p>Specialties: -</p>
Print	Black and white printing at an additional charge
Packaging	<p>Free coils, coils in carton boxes or plastic bags and on spools</p> <p><i>Please see separate data sheet for packaging options</i></p>



TECHNICAL DATASHEET

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			20°C	30°C	50°C	60°C	80°C
4,0/2,0	+/-0,1	+/-0,1	9,90	15	83	69	53	45	37
4,0/2,5	+/-0,1	+/-0,1	8,04	20	57	48	37	31	26
5,0/2,0	+/-0,1	+/-0,1	17,33	-	106	89	69	58	48
5,0/3,0	+/-0,1	+/-0,1	13,20	25	62	52	40	34	28
6,0/3,0	+/-0,1	+/-0,1	22,28	30	83	69	53	45	37
6,0/4,0	+/-0,1	+/-0,1	16,50	-	50	42	32	27	22
6,0/4,5	+/-0,1	+/-0,1	12,99	30	35	30	23	19	16
7,0/5,0	+/-0,1	+/-0,1	19,80	30	41	35	27	23	19
8,0/5,0	+/-0,1	+/-0,1	32,18	40	57	48	37	31	26
8,0/5,5	+/-0,1	+/-0,1	27,84	-	46	39	30	25	21
8,0/6,0	+/-0,1	+/-0,1	23,10	40	35	30	23	19	16
9,0/7,0	+/-0,1	+/-0,1	26,40	55	31	26	20	17	14
10,0/6,0	+/-0,1	+/-0,1	52,80	60	62	52	40	34	28
10,0/7,0	+/-0,1	+/-0,1	42,08	60	44	37	28	24	20
10,0/7,5	+/-0,1	+/-0,1	36,09	50	35	30	23	19	16
10,0/8,0	+/-0,1	+/-0,1	29,70	60	28	23	18	15	12
12,0/8,0	+/-0,1	+/-0,1	66,00	65	50	42	32	27	22
12,0/9,0	+/-0,1	+/-0,1	51,98	60	35	30	23	19	16
12,0/9,5	+/-0,1	+/-0,1	44,34	-	29	24	19	16	13
12,0/10,0	+/-0,1	+/-0,1	36,30	75	23	19	15	12	10
14,0/12,0	+/-0,1	+/-0,1	42,90	90	19	16	12	10	9
16,0/12,0	+/-0,15	+/-0,15	92,40	95	35	30	23	19	16
16,0/13,0	+/-0,15	+/-0,15	71,78	110	26	22	17	14	12
18,0/16,0	+/-0,15	+/-0,15	56,10	-	15	12	9	8	7
20,0/16,0	+/-0,15	+/-0,15	118,80	140	28	23	18	15	12
20,0/18,0	+/-0,15	+/-0,15	62,70	-	13	11	8	7	6
22,0/18,0	+/-0,15	+/-0,15	132,00	170	25	21	16	14	11
24,0/20,0	+/-0,15	+/-0,15	145,20	-	23	19	15	12	10
26,0/22,0	+/-0,15	+/-0,15	158,40	-	21	17	13	11	9

Origin

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

Documentation

Specific documentation is available for:

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

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