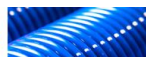
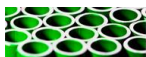


TECHNICAL DATASHEET

PUR S98

Material	Thermoplastic polyester-based polyurethane – TPU
Product code	PU01
Product type	<ul style="list-style-type: none"> - Hoses - Spirals
Application	Hoses and tubes for low pressure pneumatic applications as well as industrial, medical and white goods equipment.
Characteristics	<p>Pneumatic hose with extreme flexibility and very high "kink" resistance. Often used where minimum bending radius is required. Pure resistance to hydrolysis and is not recommended for applications in contact with water. Available in transparent versions.</p> <p>Chemical: Good, but should not be for strong acids, alkali and dissolvent <i>Please see separate chemical resistance chart for details</i></p> <p>Pressure: Medium</p> <p>UV- & weather: Poor unless special additives is added</p> <p>Working temperature: -50°C to +60°C</p> <p>Flame resistance: HB (UL 94)</p> <p>Surface hardness: Shore D 52 / A 98</p> <p>Flexural modulus: 160 MPa</p> <p>Moisture absorption: -</p> <p>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	N/A
Color	<p>Standard: Natural, black, red, blue, green and yellow</p> <p>Specialties: Special colors at an additional charge</p>
Print	Black 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 and recommended working temperature is max. 60°C.

Dimension mm	Tolerance mm		Weight g/m	Bending mm	Working pressure bar				
	OD	ID			20°C	30°C	40°C	60°C	80°C
4,0/2,0	+/-0,1	+/-0,1	11,5	-	23,5	-	18,9	15,9	14,9
4,0/2,5	+/-0,1	+/-0,1	9,3	-	32	-	25,8	21,7	20,4
5,0/3,0	+/-0,1	+/-0,1	15,3	-	17,6	-	14,2	12	11,2
6,0/4,0	+/-0,1	+/-0,1	19,2	-	14,1	-	11,3	9,6	9
8,0/5,0	+/-0,1	+/-0,1	37,4	-	16,3	-	13,1	11	10,3
8,0/5,5	+/-0,1	+/-0,1	32,4	-	13,1	-	10,5	8,9	8,3
8,0/6,0	+/-0,1	+/-0,1	26,8	-	10,1	-	8,1	6,8	6,4
9,0/6,0	+0,2/-0,1	+0,2/-0,1	43,1	35	15	-	12	10,1	9,5
10,0/6,5	+0,2/-0,1	+0,2/-0,1	55,4	-	12,4	-	10	8,4	7,9
10,0/7,0	+0,2/-0,1	+0,2/-0,1	48,9	-	7,8	-	6,3	5,3	5
10,0/8,0	+0,2/-0,1	+0,2/-0,1	34,5	-	12,1	-	11,3	9,6	9
12,0/8,0	+0,2/-0,1	+0,2/-0,1	76,7	-	10,1	-	8,1	6,8	6,4
12,0/9,0	+0,2/-0,1	+0,2/-0,1	60,4	-	13,5	-	10,9	9,2	8,6
14,0/9,5	+0,2/-0,1	+0,2/-0,1	101,4	-	13,1	-	10,5	8,9	8,3
16,0/11,0	+/-0,2	+/-0,2	129,4	-	23,5	-	18,9	15,9	14,9

Origin

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

Documentation

Specific documentation is available for:

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

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