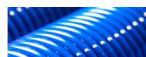
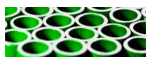


## TECHNICAL DATASHEET

### PUR S88

<b>Material</b>	Thermoplastic polyester-based polyurethane – TPU
<b>Product code</b>	PU12
<b>Product type</b>	- Hoses - Spirals
<b>Application</b>	Hoses and tubes for low pressure pneumatic applications
<b>Characteristics</b>	<p>Super flexible pneumatic polyurethane hose with improved flexibility and kink resistance. Glossy and smooth surface with a nice touch feeling. Can be used in areas where minimum bending is required. Pressure resistance is lower compared to PUR S98. PUR S88 is not recommend for applications in contact with water due to poor resistance to hydrolysis.</p> <p>Chemical: Good, but poor resistance to strong acids, alkali and dissolvents. <i>Please contact us for additional information</i></p> <p>Pressure: Medium</p> <p>UV- &amp; 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 37 / A 88</p> <p>Flexural modulus: -</p> <p>Moisture absorption: -</p> <p>Remarks: -</p>
<b>Standard/Norms</b>	-
<b>Compliance</b>	- EC Regulation 1907/2006 (REACH) - Directive 2011/65/EU (ROHS) - Do not contain dual use additives
<b>Approval</b>	N/A
<b>Color</b>	Standard: Natural, black, red, blue, green, and yellow Specialties: Special colors at an additional charge
<b>Print</b>	Black printing at an additional charge
<b>Packaging</b>	Free coils, coils in carton boxes or plastic bags and on spools <i>Please see separate data sheet for packaging options</i>



## 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	40°C	60°C	80°C
4,0/2,0	+/-0,1	+/-0,1	-	-	12,5	-	9,7	7,7	6,7
4,0/2,5	+/-0,1	+/-0,1	-	-	17,1	-	13	10,4	9,1
5,0/3,0	+/-0,1	+/-0,1	-	-	9,4	-	7,1	5,7	5
6,0/4,0	+/-0,1	+/-0,1	-	-	7,5	-	5,7	4,6	4
8,0/5,0	+/-0,1	+/-0,1	-	-	8,7	-	6,6	5,3	4,6
8,0/5,5	+/-0,1	+/-0,1	-	-	6,9	-	5,3	4,3	3,7
8,0/6,0	+/-0,1	+/-0,1	-	-	5,4	-	4,1	3,3	2,9
9,0/6,0	+/-0,1	+/-0,1	-	35	7,5	-	5,7	4,6	4
10,0/6,5	+/-0,1	+/-0,1	-	-	8	-	6,1	4,9	4,2
10,0/7,0	+/-0,1	+/-0,1	-	-	6,6	-	5	4,1	3,5
10,0/8,0	+/-0,1	+/-0,1	-	-	4,2	-	3,2	2,6	2,2
12,0/8,0	+/-0,1	+/-0,1	-	-	7,5	-	5,7	4,6	4
12,0/9,0	+/-0,1	+/-0,1	-	-	5,4	-	4,1	3,3	2,9
14,0/9,5	+/-0,1	+/-0,1	-	-	7,2	-	5,5	4,4	3,8
16,0/11,0	+/-0,15	+/-0,15	-	-	6,9	-	5,3	4,3	3,7

### 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

*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.*

