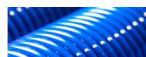
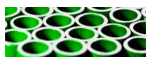


TECHNICAL DATASHEET

PUR T95

Material	Thermoplastic polyether-based polyurethane – TPU
Product code	PU02 or PU03
Product type	- Hoses - Spirals
Application	Hoses and tubes for low pressure pneumatic applications
Characteristics	<p>High quality flexible pneumatic hose with particular good mechanical and chemical properties. Most used material in the world for pneumatic hoses.</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: 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 A94/A 96</p> <p>Flexural modulus: ~60 MPa</p> <p>Moisture absorption: -</p> <p>Remarks: -</p>
Standard/Norms	Approved for drinking water according to NSF 61 (USA) – (PU03)
Compliance	- EC Regulation 1907/2006 (REACH) - Directive 2011/65/EU (ROHS) - Do not contain dual use additives
Approval	N/A
Color	Standard: Natural, black, red, blue, green, yellow Specialties: Special colors at an additional charge
Print	Black printing at an additional charge
Packaging	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			23°C	30°C	40°C	60°C	80°C
4,0/2,5	+/-0,1	+/-0,1	9,0	-	13,5	-	9,1	7	4,9
5,0/3,0	+/-0,1	+/-0,1	14,7	-	14,6	-	9,9	7,6	5,4
6,0/4,0	+/-0,1	+/-0,1	18,4	-	11,7	-	7,9	6,1	4,3
8,0/5,0	+/-0,1	+/-0,1	35,9	20	13,5	-	9,1	7	4,9
10,0/6,5	+0,2/-0,1	+0,2/-0,1	53,1	25	12,4	-	8,4	6,4	4,5
12,0/8,0	+0,2/-0,1	+0,2/-0,1	73,5	35	11,7	-	7,9	6,1	4,3
14,0/9,5	+0,2/-0,1	+0,2/-0,1	97,2	-	11,2	-	7,6	5,8	4,1
16,0/11,0	+/-0,2	+/-0,2	124,1	-	10,8	-	7,3	5,6	4

Origin

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

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.

