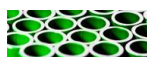


## TECHNICAL DATASHEET

### PUR T85

<b>Material</b>	Thermoplastic polyether-based polyurethane – TPU																		
<b>Product code</b>	PU05																		
<b>Product type</b>	- Hoses																		
<b>Application</b>	Hoses and tubes for low pressure pneumatic applications in for example dental or medical equipment																		
<b>Characteristics</b>	<p>High flexible pneumatic hose with extreme flexibility, kink resistance and resistance to hydrolysis and microorganisms. Glossy and smooth surface with a nice touch feeling. Can be used in areas where minimum bending is required.</p> <table> <tr> <td>Chemical:</td> <td>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 contact us for additional information</i></td> </tr> <tr> <td>Pressure:</td> <td>Low</td> </tr> <tr> <td>UV- &amp; weather:</td> <td>Poor unless special additives is added</td> </tr> <tr> <td>Working temperature:</td> <td>-50°C to +50°C</td> </tr> <tr> <td>Flame resistance:</td> <td>HB (UL 94)</td> </tr> <tr> <td>Surface hardness:</td> <td>Shore A85</td> </tr> <tr> <td>Flexural modulus:</td> <td>-</td> </tr> <tr> <td>Moisture absorption:</td> <td>-</td> </tr> <tr> <td>Remarks:</td> <td>Not recommended for quick connectors / snap fittings</td> </tr> </table>	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 contact us for additional information</i>	Pressure:	Low	UV- & weather:	Poor unless special additives is added	Working temperature:	-50°C to +50°C	Flame resistance:	HB (UL 94)	Surface hardness:	Shore A85	Flexural modulus:	-	Moisture absorption:	-	Remarks:	Not recommended for quick connectors / snap fittings
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Remarks:	Not recommended for quick connectors / snap fittings																		
<b>Standard/Norms</b>	-																		
<b>Compliance</b>	<ul style="list-style-type: none"> <li>- EC Regulation 1907/2006 (REACH)</li> <li>- Directive 2011/65/EU (ROHS)</li> <li>- Do not contain dual use additives</li> </ul>																		
<b>Approval</b>	N/A																		
<b>Color</b>	<table> <tr> <td>Standard:</td> <td>Natural, black, red, blue, green, yellow</td> </tr> <tr> <td>Specialties:</td> <td>Special colors at an additional charge</td> </tr> </table>	Standard:	Natural, black, red, blue, green, yellow	Specialties:	Special colors at an additional charge														
Standard:	Natural, black, red, blue, green, 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			23°C	30°C	40°C	60°C	80°C
4,0/2,5	+/-0,1	+/-0,1	8,6	-	N/A	N/A	N/A	N/A	N/A
5,0/3,0	+/-0,1	+/-0,1	14,1	-	N/A	N/A	N/A	N/A	N/A
6,0/4,0	+/-0,1	+/-0,1	17,6	-	N/A	N/A	N/A	N/A	N/A
8,0/5,0	+/-0,1	+/-0,1	34,3	18	N/A	N/A	N/A	N/A	N/A

### 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.*

