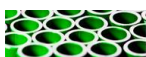


TECHNICAL DATASHEET

PUR T88

Material	Thermoplastic polyether-based polyurethane – TPU																			
Product code	PU06																			
Product type	<ul style="list-style-type: none"> - Hoses - Spirals 																			
Application	Hoses and tubes for low pressure pneumatic applications in for example dental or medical equipment																			
Characteristics	<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. Pressure resistance is lower compared to PUR T95.</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>Medium</td> </tr> <tr> <td>UV- & 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 A88</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:	Medium	UV- & weather:	Poor unless special additives is added	Working temperature:	-50°C to +50°C	Flame resistance:	HB (UL 94)	Surface hardness:	Shore A88	Flexural modulus:	-	Moisture absorption:	-	Remarks:	Not recommended for quick connectors / snap fittings
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Remarks:	Not recommended for quick connectors / snap fittings																			
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	Standard:	Natural, black, red, blue, green, yellow																		
	Specialties:	Special colors at an additional charge																		
Print	Black printing at an additional charge																			



TECHNICAL DATASHEET

Packaging Free coils, coils in carton boxes or plastic bags and on spools
Please see separate data sheet for packaging options

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	8,7	-	N/A	N/A	N/A	N/A	N/A
5,0/3,0	+/-0,1	+/-0,1	14,2	-	N/A	N/A	N/A	N/A	N/A
6,0/4,0	+/-0,1	+/-0,1	17,8	-	N/A	N/A	N/A	N/A	N/A
8,0/5,0	+/-0,1	+/-0,1	34,6	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.

