TECHNICAL DATASHEET

PUR S88

Material	Thermoplastic polyester-based polyurethane – TPU
Product code	PU12
Product type	- Hoses - Spirals
Application	Hoses and tubes for low pressure pneumatic applications
Characteristics	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.

Chemical:	Good, but poor resistance to strong acids, alkali and dissolvents. *Please contact us for additional information*
Pressure:	Medium
UV- & weather:	Poor unless special additives is added
Working temperature:	-50°C to +60°C
Flame resistance:	HB (UL 94)
Surface hardness:	Shore D 37 / A 88
Flexural modulus:	-
Moisture absorption:	-
Remarks:	-

Standard/Norms	-
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, and 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 *Please see separate data sheet for packaging options*

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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	Bending	Working pressure bar				
OD/ID	OD	ID	g/m	mm	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

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