



THERMOPLASTIC TUBING AND HOSES



ZEC S.p.A.

Via Lungolorno 11 - 42052 Colorno (PR) - Italia

Tel. 0521 816631 - Fax 0521 816772

info@zecspa.com - www.zecspa.com

Capitale sociale: Euro 1.000.000

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Numero REA: PR - 173914

## Polyurethane type SH98 tubing

- FOR PNEUMATIC APPLICATIONS
- FOR FOOD APPLICATIONS
- SHORE A 98 HARDNESS
- COMPLIANT WITH FDA 21 CFR



PNEUMATICS



LOW PRESSURE



AIR



BREATHING AIR



HYDRAULIC OIL



OIL/GREASE FOR LUBRICATION

EDIBLE PRODUCTS

## TECHNICAL FEATURES

Metric

Code	mm	mm	mm	bar	mm	g/m	Colors available	m
PU315*	1.5	3	0.75	18	7.5	6.5	B	100
PU42*	2	4	1	19	11	11.5	T-B-N-R-G-GR	100
PU425*	2.5	4	0.75	13	15	9.3	B-N	100
PU53*	3	5	1	15	14	15.3	T-B-N	100
PU64*	4	6	1	13	18	19.2	T-B-N-R-G-V-GR	100
PU85*	5	8	1.5	17	25	37.4	B-N-GR	100
PU855*	5.5	8	1.25	12	30	32.3	T-B-N-GR	100
PU86*	6	8	1	9	35	26.8	T-B-N-R-G-V-GR	100
PU1065*	6.5	10	1.75	13	30	55.3	B	100
PU107*	7	10	1.5	11	30	48.8	T-B-N-GR	100
PU1075*	7.5	10	1.25	9	40	41.9	T-B-N-GR	100
PU108*	8	10	1	7	45	34.5	T-B-N-GR	100
PU128*	8	12	2	9	50	76.6	B-N-GR	100
PU129*	9	12	1.5	8	50	60.3	T-B-N-R-G	100
PU1412*	12	14	1	4	80	49.8	B-GR	100
(**) PU1610*	10	16	3	16	70	147	B-GR	100
PU1611*	11	16	2.5	12	90	130	B-N-GR	100
PU1-8*	1.7	3.17 (1/8")	0.73	17	10	6.8	T-B-N	100
PU5-32*	2.4	3.97 (5/32")	0.78	14	15	9.6	T-B-N	100
PU3-16*	2.8	4.76 (3/16")	0.98	14	14	14.2	T-B-N	100

PU1-4*	4.05	6.35 (1/4")	1.15	14	20	22.9	T-B-N	100
PU5-16*	5.2	7.94 (5/16")	1.37	13	30	34.6	T-B-N	100
PU3-8*	6.2	9.52 (3/8")	1.66	13	35	50.0	T-B-N	100
PU1-2*	8.1	12.7 (1/2")	2.30	14	50	91.6	T-B-N	100

T : Neutral    N : Black    R : Red    G : Yellow    V : Green    A : Orange    B : Blue  
GR : Grey

## TECHNICAL FEATURES

Polyurethane's flexibility is comparable to rubber and has a good resistance to kinking. Available in the PU SH98 versions with SHORE A 98 hardness.

Black hoses/tubing are recommended for outdoor applications.

### Working temperature:

from -20° to +60°C.

### Specifications:

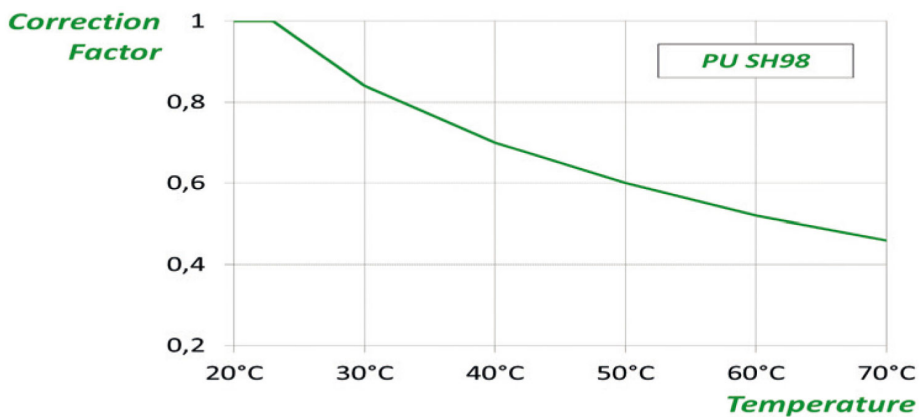
Tubing comply with FDA 21 CFR 177.2600. Raw materials comply with Regulations EU 10/2011.

(\*\*) Diameter 16x10 not for food applications.

It is responsibility of the final user to ensure, through the appropriate tests, the compliance of the finished products with the overall and specific migration limits. Consult the DoC for the limitations on the different colors.

NB: There is an \* in the code. This should be replaced with the color code of the tubing.

## BURST PRESSURE CORRECTION FACTOR ACCORDING TO TEMPERATURE



## TECHNICAL FEATURES OF POLYURETHANES


General properties	Standard	U.M.	POLYURETHANE Typical values			
			SH 98	SH90	Transparent	H
Density	DIN 53479	g/cm <sup>3</sup>	1,22	1,21	1,19	1,16
Hardness	DIN 53505	Shore A	98	91	95	---
		Shore D	50	---	49	52
Tensile stress at break	DIN 53504	MPa	55	55	40	45
Elongation at break	DIN 53504	%	500	550	515	470
Charpy impact - unnotched 23°C - unnotched -30°C	ISO 179	kJ/m <sup>2</sup>	NC	NC	---	---
			18	NC		

Abrasion resistance	DIN 53516	mm3	25	30	20	25
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## OPTIONAL

 Color

Packing

 Long Length

## NORMATIVE

FDA 21 CFR

For any further information about the optional items, please contact the sales office ()