THERMOPLASTIC TUBING AND HOSES

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Numero REA: PR - 173914

Polyurethane type SH98 tubing

- PRESSURE FROM 4 TO 19 BAR
- COMPLIANT WITH FDA 21 CFR
- WORKING TEMPERATURE FROM -20°C TO +60°C
- FOR PNEUMATIC APPLICATIONS
- FOR FOOD APPLICATIONS
- SHORE A 98 HARDNESS



LOW PRESSURE
AIR
BREATHING AIR
HYDRAULIC OIL
OIL/GREASE FOR LUBRICATION
EDIBLE PRODUCTS

TECHNICAL FEATURES

Metric

	ID	OD	T	1:3 WP	R MIN	g		m	
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

Technical-constructive features:
Polyurethane tubing ester based. Shore A 98 hardness. Excellent flexibility, elastic memory and abrasion resistance.
Black colour recommended for outdoor applications.

Applications:
Industrial automation, compressed air circuits in food sector, hydraulics and lubricating oil conductions. Suitable for installing inside energy chains

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.

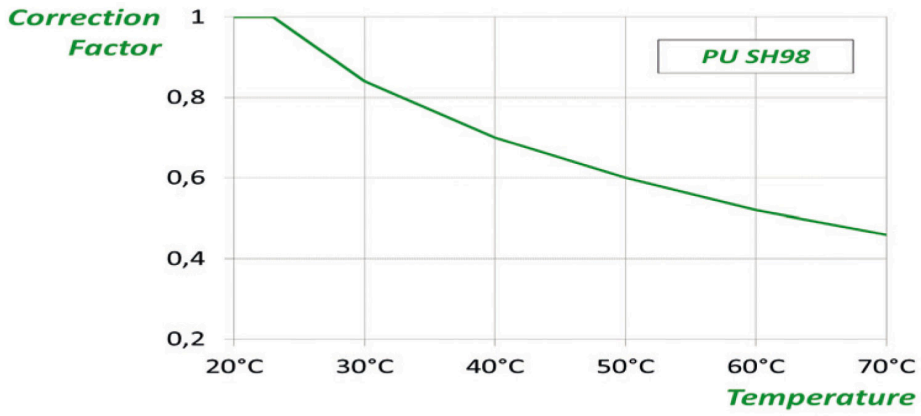
Safety ratio:
1:3

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 end user responsibility to check the updated Declaration of Conformity on the reserved area.

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/cm3	1,22	1,21	1,19	1,16

Hardness	DIN 53505	Shore A Shore D	98 50	91 ---	95 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/m2	NC 18	NC NC	---	---
Abrasion resistance	DIN 53516	mm3	25	30	20	25

OPTIONAL

Color

Packing

Long Length

NORMATIVE

FDA 21 CFR

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