POLYURETHAN TUBES

Polyurethan tubes families have properties such as:

- Excellent abrasion resistance
- Extreme flexibility (low E. modulus) even at low temperature (-40°C)
- Good tear, cutting and perforation resistance
- Fair mechanical properties
- Excellent kinking behaviour leading to small bending radius.
- Very good transparency
- Resistant to oil and grease

Dimensions

Int. Dia.	Ext. Dia.	Thick.	Working Pressure (bars)- 23°	Burst Pressure	Bending Radius	GISS 25m	GISS 100m	GISS 1000m	Color
2.5	4	0.75	15	45	10	785573	785594		
2.5	4	0.75	15	45	10	785570	785593		
2.5	4	0.75	15	45	10	785574			
2.5	4	0.75	15	45	10	785571			
2.5	4	0.75	15	45	10	785572			
4	6	1	13	39	20	785578	785596	853569	
4	6	1	13	39	20	785575	785595		
4	6	1	13	39	20	785580		853570	
4	6	1	13	39	20	785579			
4	6	1	13	39	20	785576			
4	6	1	13	39	20	785577			
5	8	1.5	17	50	25	785584	785598		
5	8	1.5	17	50	25	785581	785597		
5	8	1.5	17	50	25	785586			
5	8	1.5	17	50	25	785585			
5	8	1.5	17	50	25	785582			
5	8	1.5	17	50	25	785583			
7	10	1.5	14	41	25	785588	785600		
7	10	1.5	14	41	25	785587	785599		
7	10	1.5	14	41	25	785589			
8	12	2	13	39	35	785591			
8	12	2	13	39	35	785590			
8	12	2	13	39	35	785592			

PHYSICAL CARACTERISTICS

Temperature range :

From -40°C to +60°C

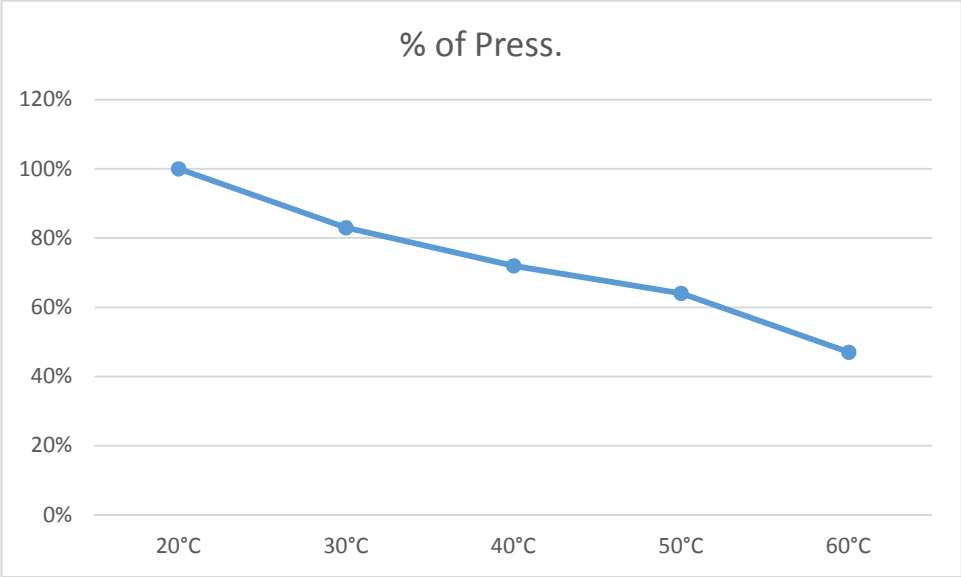
Tolerances :

Tolerance on external diameter :

From 4 mm to 8 mm : +/- 0.10 mm

From 10 mm to 15 mm : +/- 0.15 mm

Pressure variation as function of temperature :



CHEMICAL RESISTANCE

Fluid	Resist.	Fluid	Resist
Amyl acetate	G	Zinc Chloride (water based)	G
Ethyl acetate	G	Wax	-
Acetone	G	Crésol	N
Acetylène	G	Decaline	G
Acide acétique	G	Sulohur Chloride	-
Hydrocloric Acid 1%	N	Eau	L
Hydrocloric Acid 10%	N	Sea water	L
Citric Acid	G	Hydrogen Peroxide 20%	-
Formic Acid	N	Petrol	-
Lactic Acid	G	Acetaldehyde	G
Nitric Acid	N	Ethanol	-
Oleic Acid	G	Ether	-
Oxalic Acid	G	Ethyl Oxide	-
Salicylic Acid	G	Oil Ether	-
Stearic Acid	G	Gasoil	N
Sulphuric Acide 10%	N	Hydrofluoridric gas	-
Concentrated Sulphuric Acide	N	Glycerin	G
Tartaric Acid	G	Glycole	G
Ureic Acid	G	Grease	G
Benzyl Alcohol	N	Grease food	G
Starch	-	Heptane	G
Ammonia liquid	-	Oils	-
Aniline	-	Parafin Oil	G
Antifreeze	-	Silicon Oil	G
Benzol	-	Transformer Oil	G
Bromine	-	Hydraulic Oil	G
Butane	-	Mineral oil	G
Butanol	-	Engine Oil	G
Potassium Carbonate	-	Hydrogen XXX	-
Sodium Carbonate 10%	-	Potassium Hidroxide 10%	-
Sodium Carbonate 50%	-	Potassium Hidroxide 50%	-
Chlorine	N	Isoocthane	-
Chlorobenzol	-	Isopropanol	-
Chloroform	N	Kerosene	G
Magnesium Chloride 10%	G	Milk	G
Methylene Chloride	G	Frigen F 12 Liquid	-
Sodium Chloride	G	Mercury	G

G Good Resistance S:Swelling Action L:Limited Resistance N:Poor resistance -:Non tested

Fluid	Resist.
Formaldeyde	-
Methanol	-
Soap suds	
Naphtalene	G
Naphta	-
Nitrobenzole	-
Oleum	N
Oxigen	G
Ozone	N
Perchloroethylene	G
Potassium Permanganate	N
Petroleum	G
Phenol	-
Propane	G
Pyridine	N
Sodium Chloride	-
Soda 10%	-
Soda 50%	-
Stearine	G
Styrene	-
Tallow	-
Copper Sulfate	G
Sodium Sulfate	-
Iodine Tincture	-
Turpentine	G
Carbon Tetrachloride	G
Tetralin	-
Toluole	G
Trichlorethane	N
Urea	G
Urine	G
Vasseline	G
Vinegar	G

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