

**OMEGAFLEX®**

# UNREINFORCED POLYURETHANE TUBING

TYUTH Series Starts at

**\$20**

100' Spool



By Individual Model No.†

Omega's Polyurethane tubing is available in two different formulations: TYUS polyester and TYUTH polyether. TYUS polyester tubing is extremely durable, resisting both abrasion and flex fatigue. It remains flexible and transparent even at low temperatures. TYUS polyester tubing is highly resistant to aliphatic hydrocarbons and petroleum products; however, it is NOT recommended for use with water-based solutions.

TYUTH polyether tubing is more flexible than TYUS polyester tubing and is the formulation utilized in select peristaltic pump applications. Like TYUS polyester tubing, TYUTH polyether tubing also has excellent abrasion resistance and remains flexible at low temperatures.



**Note:** All are transparent, except ester in 5/16 x 3/16, 3/8 x 1/4, and 1/2 x 3/8 sizes, which are translucent white. Consult sales for color availability.

Typical Specifications*	Ester (TYUS) @ 23°C (73°F)	Ether (TYUTH) @ 23°C (73°F)
Hardness, Shore A±5	85	85
Specific Gravity	1.20	1.12
Tensile Strength, PSI	6000	4500
Ultimate Elongation %	550%	500%
Operating Temperature Range	-57 to 84°C (-70 to 185°F)	-57 to 79°C (-70 to 175°F)

\*Specifications listed are meant only as a guide. Each user must test the tubing under their operating conditions to determine the tubing's suitability for the particular application.

† Visit [omega.com/rohs](http://omega.com/rohs) to determine specific RoHS compliance.

## Polyurethane Ether Tubing

**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)							
Model No.	Price	OD (in)	ID (in)	Std Length (ft)	Wall (in)	Working psi @ 70°F	Weight (lbs)
TYUTH-18116-100	\$20	1/8	1/16	100	1/32	134	1/2
TYUTH-31618-100	25	3/16	1/8	100	1/32	72	7/8
TYUTH-1418-100	45	1/4	1/8	100	1/16	133	2
TYUTH-14316-100	45	1/4	3/16	500	0.045	27	1 5/8
TYUTH-516316-100	50	5/16	3/16	100	1/16	74	2 3/4
TYUTH-51614-100	35	5/16	1/4	100	1/32	33	1 3/4
TYUTH-3814-100	65	3/8	1/4	100	1/16	67	3 1/2
TYUTH-1214-100	145	1/2	1/4	100	1/8	131	8
TYUTH-716516-100	75	7/16	3/16	100	1/16	65	4
TYUTH-916516-100	225	9/16	5/16	100	1/16	118	9 1/4
TYUTH-1238-100	95	1/2	3/8	100	1/16	59	5
TYUTH-91638-100	140	9/16	3/8	100	3/32	84	7 3/4
TYUTH-5838-100	200	5/8	3/8	100	1/8	100	11
TYUTH-5812-100	115	5/8	1/2	100	1/16	36	6
TYUTH-3412-100	250	3/4	1/2	100	1/8	60	13 1/2
TYUTH-131658-100	220	13/16	5/8	100	3/32	54	11 1/2
TYUTH-7858-100	295	7/8	5/8	100	1/8	60	16
TYUTH-134-100	350	1	3/4	100	1/8	51	18 1/2
TYUTH-11878-100	400	1 1/8	7/8	100	1/8	33	21
TYUTH-1141-100	450	1 1/4	1	100	1/8	40	23 1/2

Ordering Example: TYUTH-1238-100, 100', 1/2" OD, 3/8" ID, 1/16" wall, unreinforced Polyurethane tubing, \$95.

T-X



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# UNREINFORCED POLYURETHANE TUBING

TYUS Series Starts at **\$20**  
100' Spool

MADE IN USA **RoHS**  
By Individual Model No.†

Multi-Braid Tubing

Technical Books Available Online!  
**books1.com**  
omega.com

Polyurethane Ester Tubing

**MOST POPULAR MODELS HIGHLIGHTED!**

<b>To Order (Specify Model Number)</b>							
<b>1/6 to 1/4" ID TUBING</b>							
Model No.	Price	OD (in)	ID (in)	Std Length (ft)	Wall (in)	Working psi @ 70°F	lbs/cft
TYUS-18116-100	\$20	1/8	1/16	100	1/32	134	1/2
TYUS-31618-100	25	3/16	1/8	100	1/32	72	7/8
TYUS-1418-100	35	1/4	1/8	100	1/16	133	2
TYUS-14316-100	30	1/4	3/16	100	1/32	27	2 3/4
TYUS-516316-100	50	3/16	3/16	100	1/16	74	2 3/4
TYUS-51614-100	35	5/16	1/4	100	1/32	33	1 3/4
TYUS-3814-100	60	3/8	1/4	100	1/16	67	3 1/2
TYUS-1214-100	125	1/2	1/4	100	1/8	131	8
TYUS-1214-500	625	1/2	1/4	500	1/8	131	8
TYUS-716516-100	70	7/16	5/16	100	1/16	65	4
TYUS-916516-100	150	9/16	5/8	100	1/8	118	9 1/4
TYUS-1238-100	80	1/2	3/8	100	1/16	59	5
TYUS-91638-100	120	9/16	3/8	100	3/32	84	7 1/4
TYUS-5838-100	175	5/8	3/8	100	1/8	100	7 1/4
TYUS-5812-100	100	5/8	1/2	100	1/16	36	6
TYUS-3412-100	215	3/4	1/2	100	1/8	60	6
TYUS-131658-100	190	13/16	5/8	100	3/32	54	11 1/2
TYUS-7858-100	255	7/8	5/8	100	1/8	60	11 1/2
TYUS-134-50	150	1	3/4	50	1/8	51	16
TYUS-134-100	300	1	3/4	100	1/8	51	18 1/2
TYUS-11878-100	345	1 1/8	7/8	100	1/8	33	18 1/2
TYUS-1141-50	195	1 1/4	1	50	1/8	40	20 3/4
TYUS-1141-100	390	1 1/4	1	100	1/8	40	23 1/2

Ordering Example: TYUS-1214-100, 100' of tubing, 1/2" OD, 1/4" ID, 1/8" wall, \$125.

**Accessory**

Model No.	Price	Description
CH-4005	\$260	Reference Book: Handbook of Elastomers, 2nd Edition





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