

OMEGAFLEX®

FKM FLEXIBLE TUBING 60, 75 AND 90A SHORE DUROMETER

TYVT Series

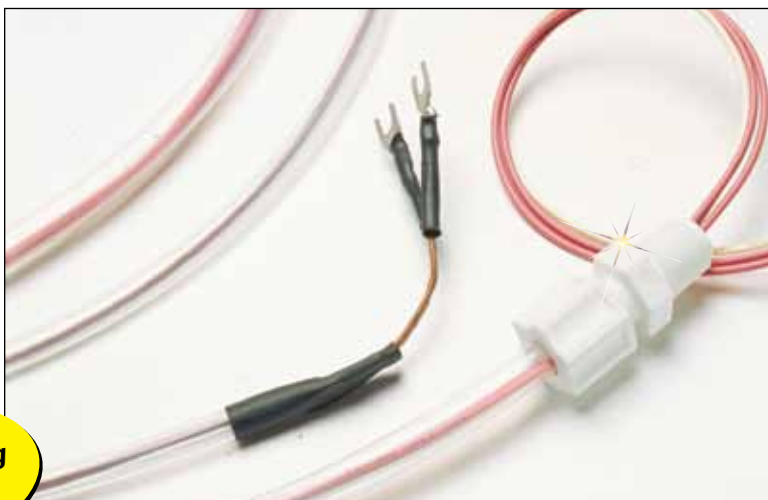


By Individual
Model No.†



FKM tubing offers a superb chemical resistance to a broad range of materials with the flexibility of rubber. Under static operating conditions, FKM has been tested at up to 260°C (500°F) for up to 1000 hours, and at up to 204°C (400°F) for up to one year. At these high operating temperatures, fluid pressure must be kept at a bare minimum—field testing must be performed to determine the maximum pressure rating of FKM tubing in your application.

In addition, it must be noted that the pulsating flows or peristaltic pump applications can cause a dramatic decrease in the operating temperature/pressure of the tubing, as well as dramatic decrease in the tubing's useable lifespan. Again, field testing is required to determine these parameters per the end user's application parameters.



† Visit omega.com/rohs to determine specific RoHS compliance.

Specialty Tubing Available!

Specifications*			
Hardness, Shore A	60A	75A	90A
Specific Gravity	1.86	1.81	1.80
Tensile Strength, psi	1450	1600	1600
Elongation at Break, %	350	150	120
Brittle Temperature	-14°C (7°F)	-14°C (7°F)	-14°C (7°F)
Maximum Operating Temp.	204°C (400°F)	204°C (400°F)	204°C (400°F)

* Values listed are typical and are meant only as a guide. Field testing is recommended to find actual values for the given application.

Note: The 60A durometer compound is specially formulated for use in peristaltic pumps. Color is black.

To Order

5/32 to 1" OD F Flexible Tubing, 60 Shore A Durometer

Model No.	OD Nom. (inch)	D (inch)	Wall (inch)	ID (±) (inch)	Wall Tol (±) (inch)	Std Length (ft)
TYVT6-532132-250	5/32	1/32	1/16	0.008	0.008	250
TYVT6-18116-250	1/8	1/16	1/32	0.01	0.005	250
TYVT6-316116-100	3/16	1/16	1/16	0.01	0.008	100
TYVT6-14116-100	1/4	1/16	3/32	0.01	0.008	100
TYVT6-516116-100	5/16	1/16	1/4	0.01	0.01	100
TYVT6-38116-100	3/8	1/16	5/32	0.01	0.012	100
TYVT6-31618-100	3/16	1/8	1/32	0.01	0.008	100
TYVT6-1418-100	1/4	1/8	1/16	0.01	0.008	100
TYVT6-51618-100	5/16	1/8	3/32	0.01	0.008	100
TYVT6-3818-100	3/8	1/8	1/8	0.01	0.01	100
TYVT6-14316-100	1/4	3/16	1/32	0.015	0.008	100
TYVT6-516316-100	5/16	3/16	1/16	0.015	0.008	100
TYVT6-38316-100	3/8	3/16	3/32	0.015	0.008	100
TYVT6-716316-100	7/16	3/16	1/8	0.015	0.01	100
TYVT6-12316-100	1/2	3/16	5/32	0.015	0.012	100
TYVT6-916316-100	9/16	3/16	3/16	0.015	0.012	100
TYVT6-58316-100	5/8	3/16	7/32	0.015	0.012	100
TYVT6-51614-100	5/16	1/4	1/32	0.017	0.005	100
TYVT6-3814-100	3/8	1/4	1/16	0.017	0.008	100
TYVT6-1214-100	1/2	1/4	1/8	0.017	0.01	100
TYVT6-91614-100	9/16	1/4	5/32	0.017	0.012	100
TYVT6-5814-100	5/8	1/4	3/16	0.017	0.012	100
TYVT6-71638-100	7/16	3/8	1/32	0.018	0.008	100
TYVT6-1238-100	1/2	3/8	1/16	0.018	0.008	100
TYVT6-91638-100	9/16	3/8	3/32	0.018	0.01	100
TYVT6-5838-100	5/8	3/8	1/8	0.018	0.012	100
TYVT6-3438-100	3/4	3/8	3/16	0.018	0.012	100
TYVT6-7838-100	7/8	3/8	1/4	0.018	0.012	100
TYVT6-34716-100	3/4	7/16	5/32	0.018	0.012	100
TYVT6-5812-100	5/8	1/2	1/16	0.02	0.008	100
TYVT6-111612-100	1 1/16	1/2	3/32	0.02	0.01	100
TYVT6-3412-100	3/4	1/2	1/8	0.02	0.012	100
TYVT6-7812-100	7/8	1/2	3/16	0.02	0.012	100
TYVT6-112-100	1	1/2	1/4	0.02	0.014	100
TYVT6-151658-100	1 5/16	5/8	3/32	0.022	0.01	100
TYVT6-7858-100	7/8	5/8	1/8	0.022	0.012	100
TYVT6-158-100	1	5/8	3/16	0.022	0.012	100
TYVT6-134-100	1	3/4	1/8	0.022	0.012	100
TYVT6-178-100	1	7/8	1/16	0.025	0.01	100

5/32 to 5/8" OD Tubing, 75 Shore A Durometer

TYVT7-532132-250	5/32	1/32	1/16	0.008	0.008	250
TYVT7-18116-250	1/8	1/16	1/32	0.01	0.005	250
TYVT7-316116-100	3/16	1/16	1/16	0.01	0.008	100
TYVT7-14116-100	1/4	1/16	3/32	0.01	0.008	100
TYVT7-516116-100	5/16	1/16	1/4	0.01	0.01	100
TYVT7-38116-100	3/8	1/16	5/32	0.01	0.012	100
TYVT7-31618-100	3/16	1/8	1/32	0.01	0.008	100
TYVT7-1418-100	1/4	1/8	1/16	0.01	0.008	100
TYVT7-51618-100	5/16	1/8	3/32	0.01	0.008	100
TYVT7-3818-100	3/8	1/8	1/8	0.01	0.01	100
TYVT7-14316-100	1/4	3/16	1/32	0.015	0.008	100
TYVT7-516316-100	5/16	3/16	1/16	0.015	0.008	100
TYVT7-38316-100	3/8	3/16	3/32	0.015	0.008	100
TYVT7-716316-100	7/16	3/16	1/8	0.015	0.01	100
TYVT7-12316-100	1/2	3/16	5/32	0.015	0.012	100
TYVT7-916316-100	9/16	3/16	3/16	0.015	0.012	100
TYVT7-58316-100	5/8	3/16	7/32	0.015	0.012	100
TYVT7-51614-100	5/16	1/4	1/32	0.017	0.005	100
TYVT7-3814-100	3/8	1/4	1/16	0.017	0.008	100
TYVT7-71614-100	7/16	1/4	3/32	0.017	0.008	100
TYVT7-1214-100	1/2	1/4	1/8	0.017	0.01	100
TYVT7-91614-100	9/16	1/4	5/32	0.017	0.012	100
TYVT7-5814-100	5/8	1/4	3/16	0.017	0.012	100
TYVT7-71638-100	7/16	3/8	1/32	0.018	0.008	100
TYVT7-1238-100	1/2	3/8	1/16	0.018	0.008	100
TYVT7-91638-100	9/16	3/8	3/32	0.018	0.01	100
TYVT7-5838-100	5/8	3/8	1/8	0.018	0.012	100

Ordering Example: TYVT6-18116-250, 250' of tubing, 1/8" OD, 1/16" ID, 1/32" wall, 60A Shore durometer.

OMEGAFLEX® FKM FLEXIBLE TUBING

To Order

3/4 to 1" OD TUBING, 75 Shore A Durometer

Model No.	OD Nom (inch)	ID (inch)	Wall (inch)	ID (±) (inch)	Wall Tol (±) (inch)	Std. Length (ft)
TYVT7-3438-100	3/4	5/8	3/16	0.018	0.012	100
TYVT7-7838-100	7/8	5/8	1/4	0.018	0.012	100
TYVT7-34716-100	3/4	7/16	5/32	0.018	0.012	100
TYVT7-5812-100	5/8	1/2	1/16	0.02	08	100
TYVT7-111612-100	1 1/16	1/2	3/32	0.02	0.01	100
TYVT7-3412-100	3/4	1/2	1/8	0.02	0.012	100
TYVT7-7812-100	7/8	1/2	3/16	0.02	0.012	100
TYVT7-112-100	1	1/2	1/4	0.02	0.014	100
TYVT7-151658-100	1 5/16	5/8	3/32	0.022	0.01	100
TYVT7-7858-100	7/8	5/8	1/8	0.022	0.012	100
TYVT7-158-100	1	5/8	3/16	0.022	0.012	100
TYVT7-134-100	1	3/4	1/8	0.022	0.012	100
TYVT7-178-100	1	7/8	1/16	0.025	0.01	100

5/32 to 1" OD TUBING, 90 Shore A Durometer

TYVT9-532132-250	5/32	1/32	1/16	08	08	250
TYVT9-18116-250	1/8	1/16	1/32	0.01	05	250
TYVT9-316116-100	3/16	1/16	1/16	0.01	08	100
TYVT9-14116-100	1/4	1/16	3/32	0.01	08	100
TYVT9-516116-100	5/16	1/16	1/4	0.01	0.01	100
TYVT9-38116-100	3/8	1/16	5/32	0.01	0.012	100
TYVT9-31618-100	3/16	1/8	1/32	0.01	08	100
TYVT9-1418-100	1/4	1/8	1/16	0.01	08	100
TYVT9-51618-100	5/16	1/8	3/32	0.01	08	100
TYVT9-3818-100	3/8	1/8	1/8	0.01	0.01	100
TYVT9-14316-100	1/4	3/16	1/32	0.015	08	100
TYVT9-516316-100	5/16	3/16	1/16	0.015	08	100
TYVT9-38316-100	3/8	3/16	3/32	0.015	08	100
TYVT9-716316-100	7/16	3/16	1/8	0.015	0.01	100
TYVT9-12316-100	1/2	3/16	5/32	0.015	0.012	100
TYVT9-916316-100	9/16	3/16	3/16	0.015	0.012	100
TYVT9-58316-100	5/8	3/16	7/32	0.015	0.012	100
TYVT9-51614-100	5/16	1/4	1/32	0.017	05	100
TYVT9-3814-100	3/8	1/4	1/16	0.017	08	100
TYVT9-71614-100	7/16	1/4	3/32	0.017	08	100
TYVT9-1214-100	1/2	1/4	1/8	0.017	0.01	100
TYVT9-91614-100	9/16	1/4	5/32	0.017	0.012	100
TYVT9-5814-100	5/8	1/4	3/16	0.017	0.012	100
TYVT9-71638-100	7/16	3/8	1/32	0.018	08	100
TYVT9-1238-100	1/2	3/8	1/16	0.018	08	100
TYVT9-91638-100	9/16	3/8	3/32	0.018	0.01	100
TYVT9-5838-100	5/8	3/8	1/8	0.018	0.012	100
TYVT9-3438-100	3/4	3/8	3/16	0.018	0.012	100
TYVT9-7838-100	7/8	3/8	1/4	0.018	0.012	100
TYVT9-34716-100	3/4	7/16	3/32	0.018	0.012	100
TYVT9-5812-100	5/8	1/2	1/16	0.02	08	100
TYVT9-111612-100	1 1/16	1/2	3/32	0.02	0.01	100
TYVT9-3412-100	3/4	1/2	1/8	0.02	0.012	100
TYVT9-7812-100	7/8	1/2	3/16	0.02	0.012	100
TYVT9-112-100	1	1/2	1/4	0.02	0.014	100
TYVT9-151658-100	1 5/16	5/8	3/32	0.022	0.01	100
TYVT9-7858-100	7/8	5/8	1/8	0.022	0.012	100
TYVT9-158-100	1	5/8	3/16	0.022	0.012	100
TYVT9-134-100	1	3/4	1/8	0.022	0.012	100

Ordering Example: TYVT9-7858-100, 100' of tubing, 7/8" OD, 5/8" ID, 1/8" wall, 90A Shore durometer.

Quick tubing changes are a snap with the OMEGAFLEX® FPU500 peristaltic pump, shown below.

