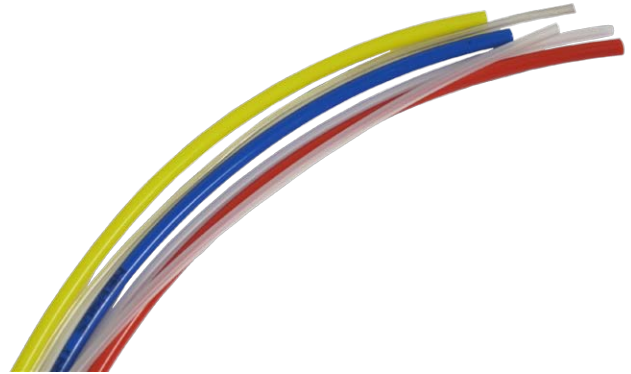


# Plastic Tubing

Scanivalve stocks clear plastic tubing for many applications including:

- Wind Tunnel Tests
- Flight Tests
- Gas Turbine and Diesel Tests
- R&D and Laboratory Use
- Industrial Test

Available stock materials are urethane, nylon, vinyl and Teflon. Sizes are available to fit over .031 inch through .125 inch tubulations. Tubing is sold by the spool.



## Nylon Tubing

This tubing is rated at 110°C\* and is ideal for gas turbine testing. It fits snugly over our stainless steel tubulations and can be used without helical tubing clamps to 100 psi, or to 1500 psi (burst pressure .063) with helical tubing clamps and sealant. As a special order, NYLN-125HW can be ordered in a variety of colors.

## Teflon Tubing - Clear

This chemically inert tubing is rated at 260°C\*. It uses the same helical tubing clamps as the nylon tubing. Size .063 Teflon tubing has a recommended working pressure of 500 psi at 21°C.

## Vinyl Tubing - Clear

This tough, lightweight tubing carries a 65°C\* rating. It fits snugly over our stainless steel tubulations, and can be used with or without our helical tubing clamps. It can be used for short duration tests up to 30 psi without helical clamps. Size .063 vinyl tubing has a recommended working pressure of 90 psi at 21°C.

## Urethane Tubing - Clear

Urethane tubing has a temperature rating of 95°C\*. It is ideal for low pressure tests in wind tunnel models. The tubing is extremely flexible, resilient, and resistant to kinking. It fits snugly over our stainless steel tubulations and is resistant to weather, tearing, abrasion and impact. Size .063 urethane has a recommended working pressure of 100 psi at 21°C.

## Tubing Material Sizes Typically Stocked

For use on:	Vinyl	Nylon 6/6 (Clear)	Urethane	Teflon (PTFE)
.031 Inch (0.79mm) O.D. SS tubulation			URTH-031 (I.D.)	
.040 Inch (1.02mm) O.D. SS tubulation	VINL-040 (I.D.)	NYLN-040† (I.D.)	URTH-040 (I.D.)	TFLN-040 (I.D.)
.063 Inch (1.59mm) O.D. SS tubulation	VINL-063 (I.D.)	NYLN-063 (I.D.)	URTH-063 (I.D.)	TFLN-063 (I.D.)
.125 Inch (3.18 mm) O.D. SS tubulation	VINL-125**† (I.D.)	NYLN-125HW (I.D.)		TFLN-125** (I.D.)

\* Temperature ratings are referenced to atmospheric pressure of 14.7 psia nominal.

\*\* Do not use this tubing in vacuum applications

† Indicates special order

O.D.= Outside Diameter; I.D. = Inside Diameter

# Plastic Tubing Specifications

Part Number	I.D. Inches (mm)	O.D. Inches (mm)	Recommended Working Pressure at 21°C PSI (kPa)	Burst Pressure at 21°C PSI (kPa)	Burst Pressure at 40°C PSI (kPa)	Max Operating Temperature °C (°F)	Min Operating Temperature °C (°F)	Burst Pressure at Max Operating Temperature PSI (kPa)	Minimum Bending Radius Inches(mm)
NYLN-063	.057 (1.45)	.089 (2.26)	1000 (6895)	1500 (10340)	1000 (6895)	110 (225)	-65 (-85)	800 (5515)	1.25 (31.75)
NYLN-125HW	.117 (2.97)	.187 (4.75)	600 (4135)	1000 (6895)	750 (5170)	100 (212)	-65 (-85)	500 (3448)	1.75 (44.45)
TFLN-040	.036 (0.91)	.068 (1.73)	500 (3448)	700 (4825)	575 (3965)	260 (500)	-70 (-94)	70 (480)	0.50 (12.7)
TFLN-063	.053 (1.35)	.086 (2.18)	500 (3448)	700 (4825)	575 (3965)	260 (500)	-70 (-94)	70 (480)	0.75 (19.05)
TFLN-125	.106 (2.69)	.138 (3.51)	200 (1380)	350 (2415)	240 (1655)	175 (350)	-70 (-94)	50 (345)	1.25 (31.75)
URTH-031	.027 (.69)	.051 (1.30)	125 (860)	375 (2585)	160 (1100)	95 (200)	-65 (-85)	70 (480)	0.188 (4.78)
URTH-040	.034 (.86)	.066 (1.68)	125 (860)	350 (2415)	150 (1035)	95 (200)	-65 (-85)	70 (480)	0.25 (6.35)
URTH-063	.054 (1.37)	.086 (2.18)	100 (690)	250 (1725)	150 (1035)	95 (200)	-65 (-85)	50 (345)	0.25 (6.35)
VINL-040	.034 (.86)	.066 (1.68)	100 (690)	400 (2760)	200 (1380)	65 (150)	-40 (-40)	35 (240)	0.32 (8.12)
VINL-063	.054 (1.37)	.086 (2.18)	90 (620)	250 (1725)	160 (1100)	65 (150)	-40 (-40)	35 (240)	0.50 (12.7)
VINL-125	.106 (2.69)	.138 (3.51)	40 (275)	175 (1205)	50 (345)	65 (150)	-40 (-40)	35 (240)	0.63 (16.0)