

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

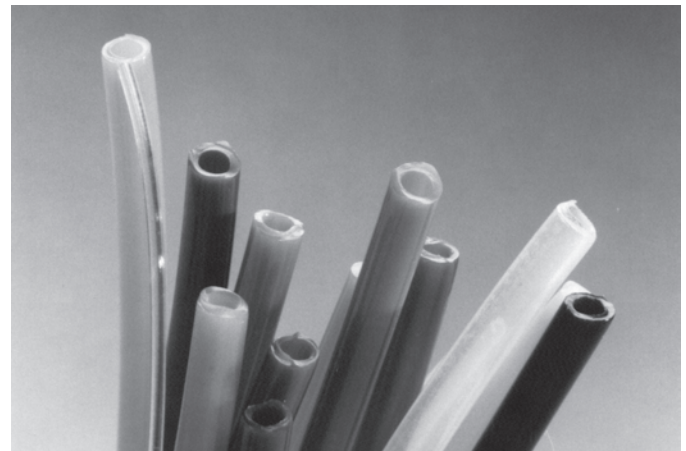
Available stock materials are urethane, nylon, vinyl and Teflon. Sizes are available to fit over .031 inch through .125 inch tubulations. Tubing is sold by the spool.

Nylon Tubing—Clear

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 clamps and sealant. Size .063 nylon tubing has a recommended working pressure of 1000 psi at 21°C.

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 recommended working pressure is 90 psi at 21°C.

Urethane Tubing—Clear

Urethane's temperature rating is 95°C*. It is ideal for low pressure tests in wind tunnel models. The tubing is extremely flexible, resilient, and resists kinking. It fits snugly over our stainless steel tubulations and is resistant to weather, tearing, abrasion and impact. Size .063 urethane recommended working pressure is 90 psi at 21°C.

Tubing Material and Sizes Typically Stocked

For use on:	Vinyl	Nylon 6/6 (Clear)	Urethane	Teflon (PTFE)
.031 Inch (0.79mm) O.D. SS tubulation No Bulge			URTH-031 (ID)	
.040 Inch (1.02mm) O.D. SS tubulation	VINL-040 (ID)		URTH-040 (ID)	
.063 Inch (1.59mm) O.D. SS tubulation	VINL-063 (ID)	NYLN-063 (ID)	URTH-063 (ID)	TFLN-063 (ID)
.125 Inch (3.18mm) O.D. SS tubulation	VINL-125** (ID)	NYLN-125 (ID) NYLN-125HW (ID)		TFLN-125** (ID)

* Temperature ratings are at atmospheric pressure of 14.7 psia nominal.
O.D. = Outside Diameter

** Do not use this tubing for vacuum.

Scanivalve Corp Tubing Specifications January 1, 2010

Tubing Part Number	Bin Number	ID Inches (mm)	OD Inches (mm)	Recommended Working Pressure 21°C PSI (kPa)	Burst Pressure 21°C PSI (kPa)	Burst Pressure 40°C PSI(kPa)	Maximum Operating Temp °C (°F)	Minimum Operating Temp °C (°F)	Burst Pressure at Maximum Operating Temperature PSI (kPa)	Minimum Bend Radius inches(mm)
NYLN-063	Y-101	.057 (1.45)	.089 (2.26)	1000 (6895)	1500 (10340)	1000 (6895)	110 (225)	-65(-85)	800 (5515)	1.25 (31.75)
NYLN-125	Y-102	.118 (3.00)	.148 (3.76)	600 (4135)	800 (5515)	650 (4480)	110 (225)	-65(-85)	400 (2760)	2.00 (50.8)
NYLN-125HW	Y-118	.117 (2.97)	.187 (4.75)	600 (4135)	1000 (6895)	750 (5170)	100 (212)	-65(-85)	500 (3448)	1.75 (44.45)
TFLN-063	Y-115	.053 (1.35)	.086 (2.18)	500 (3450)	700 (4825)	575 (3965)	260 (500)	-70(-94)	70 (480)	0.75 (19.05)
TFLN-125	Y-116	.106 (2.69)	.138 (3.51)	200 (1380)	350 (2415)	240 (1655)	175 (350)	-70(-94)	50 (345)	1.25 (31.75)
URTH-031	Y-126	.027 (.69)	.051 (1.30)	125 (860)	375 (2585)	160 (1100)	95 (200)	-65(-85)	70 (480)	0.188 (4.78)
URTH-040	Y-132	.034 (.86)	.066 (1.68)	125 (860)	350 (2415)	150 (1035)	95 (200)	-65(-85)	70 (480)	0.25 (6.35)
URTH-063	Y-129	.054 (1.37)	.086 (2.18)	100 (690)	250 (1725)	150 (1035)	95 (200)	-65(-85)	50 (345)	0.25 (6.35)
VINL-040	Y-107	.034 (.86)	.066 (1.68)	100 (690)	400 (2760)	200 (1380)	65 (150)	-40(-40)	35(240)	0.32 (8.13)
VINL-063	Y-105	.054 (1.37)	.086 (2.18)	90 (620)	250 (1725)	160 (1100)	65 (150)	-40(-40)	35 (240)	0.50 (12.7)
VINL-125	Y-103	.106 (2.69)	.138 (3.51)	40 (275)	175 (1205)	50 (345)	65 (150)	-40(-40)	35 (240)	0.625 (15.88)