



	Nylaflow T (Type 6/6)	Nylaflow H (Type 6/6)	Nylaflow LM (Type 11 or 12)	Nylaflow LM (Type 11 or 12)	Nylaflow LP (Type 6)	Nylaflow Tubing (Type 6/6)
Color	Natural	Natural	Natural	Black	Black	Natural
Melting Point	500 ± 5°F	500 ± 5°F	Type11-365 ± 10°F	Type 12-365 ± 10°F	420 ± 13°F	500 ± 5°F
Water Absorption at Equilbrium (%) at Saturation (%)	2.50 8.0	2.50 8.0	.9 1.9	.9 1.9	3.50 11.0	2.50 8.0
Suggest Temp. Range (°F)	-65 to +150	-65 to +150	-80 to +200	-80 to +200	-40 to +150	-65 to +150
Light Stabilized	No	No	No	Yes	Yes	No
Hoop Stress at 73°F Bone Dry (psi)	7,500	7,500	2,500	2,500	6,000	7,500
Hoop Stress at 73°F 50% R.H. (psi)	4,500	4,500	2,000	2,000	2,600	4,500
Hoop Stress at 73°F Full Saturation (psi)	3,100	3,100	1,850	1,850	2,100	3,100
Material's Flexural Elastic Modulus at 73°F. 50% R.H. (psi)	175,000 (conditioned)	175,000 (conditioned)	103,000	103,000	130,000	175,000 (conditioned)
Operating Pressure at 73°F. 50% R.H. (psi)	250	625	250	250	175	Not Pressure Rated
Bursting Pressure at 73°F 50% R.H. (psi)	1,000 Minimum	2,500 Minimum	1,000 Minimum	1,000 Minimum	700 Minimum	
Important Facts	Moderate cost. General Purpose nylon. Highest strength. Stiffest of all nylons. FDA compliant. Meets 3A Sanitary Standards. Carried in stock.	Moderate cost. General Purpose nylon. Highest strength. Stiffest of all nylons. FDA compliant. Meets 3A Sanitary Standards. Carried in stock.	Premium material. Excellent Flexibility. Best chemical resistance including resistance to ZnCl2: (zinc chloride). Lowest moisture pickup. Wide temperature range usage. Carried in stock.	Same as Natural except light stability improved.	General Purpose. Light stability.	Moderate Cost. General purpose nylon. Highest strength. Stiffest of all nylons. Meets 3A Sanitary Standards
Typical Applications duit,	Air lines, grease lines, vacuum lines,	Air lines, grease lines, vacuum lines,	Automotive fuel lines, lubrication	Automotive Fuel lines, lubrication	General purpose tubing. Excellent for	Mechanical applica tions, such as con-
	hydraulic lines, high pressure gases.	hydraulic lines, high pressure gases.	lines, vacuum lines, air lines.	lines, vacuum lines, air lines.	farm machinery.	small sleeve bearing busings, insulators
Chemical Resistance at 73°F					0 - 1 11 - 5	
Acids Alkalies Hydrocarbons-aromatic Hydrocarbons-aliphatic Ketones Ethers Alcohols Salts, neutral Freons Sunlight	Good to pH-5 Good to pH-11 Excellent Excellent Excellent Excellent Excellent Good Excellent Excellent Fair	Good to pH-5 Good to pH-11 Excellent Excellent Excellent Excellent Good Excellent Excellent Fair	Good to pH-5 Good to pH-11 Excellent Excellent Excellent Excellent Good Excellent Excellent Fair	Good to pH-5 Good to pH-11 Excellent Excellent Excellent Excellent Good Excellent Excellent Good	Good to pH-5 Good to pH-11 Excellent Excellent Excellent Excellent Excellent Good Excellent Excellent	Good to pH-5 Good to pH-11 Excellent Excellent Excellent Excellent Good Excellent Excellent Fair

Notes: Formula for calculating hoop stress of any nylon tube:

S = P(d+t) / 2t

S=hoop stress strength (psi) d=inside diameter of tube (inches)

P=burst strength (psi)

t=wall thickness of tube (inches)