



# Tubing



## FLEXIBLE VINYL (PVC)

DUROMETER 68 SHORE A

Plasticized from non-toxic, flexible PVC, this tubing is resistant to a wide range of chemicals. A good choice for various piping problems where the use of corrosive, pure or sensitive solutions is involved. While not as strong or kink-resistant as polyurethane tubing, this is an excellent alternative choice if cost is the determining factor.

Available in 12 sizes, from IDs of 1/16" up to 1/4" (some IDs have different wall thicknesses to choose from). They come in both 100-foot coils and bulk reel lengths in natural (clear), black, white, and in the following opaque colours: blue, yellow, red and green. (Note: all pigments are non-migratory.)

Vinyl tubing is also available in crystal clear 70 durometer, in tube IDs of 1/16" up to 2-1/2". Formulated of V-1 vinyl, it fully meets FDA specifications for contact with food and drugs for human consumption.

## POLYURETHANE DUROMETER 85 SHORE A

This polyether-based polyurethane tubing shares the best properties of two materials: it has the elongation and recovery characteristics associated with rubber and also offers the chemical resistance of plastic. It demonstrates superior resistance to kinking, abrasion, tearing, hydrolysis, oxidation, ozone, fungus and humidity. It's an excellent choice for flexibility, even in cold temperatures. Some of the typical uses for polyurethane tubing are robotics, air tools, vacuum equipment, medical and lab applications and pressure measurement apparatus.

Available in 12 sizes, from IDs of 1/16" up to 1/4" (some IDs have different wall thicknesses to choose from). They come in both 100-foot coils and bulk reel lengths in natural (clear), black, white, and in the following opaque and transparent colours: blue, yellow, red and green. (Note: all pigments used are non-migratory.)

## POLYETHYLENE DUROMETER 55 SHORE D

Available in natural or UV-resistant black extruded linear LDPE. Provides excellent flexibility and low temperature toughness. It comes in four sizes (IDs of 1/16", .170, 1/4", and 3/8") in 100-foot coils or bulk reel lengths.

Other types of polyethylene tubing available: instrument grade (in a variety of colours), black flame-retardant and black HDPE.

## NYLON

The nylon tubing comes in two styles: flexible and semi-rigid high strength. Both are made of nylon 11 and come in either black or white.

**Flexible:** Lightweight tubing with extremely low level water absorption. Its resistance to stress cracking far outweighs that of ordinary nylon tubing. Thirteen tube IDs are available, from .093" to .253".

**Semi-rigid, high strength:** This tubing offers better chemical resistance than the flexible nylon, has good resistance to high ambient temperatures and low moisture absorption. It contains no plasticizers. Its high tensile strength gives it excellent coupling retention in high pressure, temperature and vibration situations. Comes in eleven tube IDs, from .091" to .350".

## POLYPROPYLENE

Laboratory grade polypropylene tubing comes in white or UV-resistant black. May be used at higher temperatures and working pressures than polyethylene. Its resistance to environmental stress cracking, hot water and hot corrosive acids is excellent (it will last much longer than nylon tubing in hot water service). It has good resistance to vegetable oils, and water absorption is less than .01%. Meets FDA requirements for food contact. It is available in seven tube IDs, from .080" to .500".