

Storage & Shelf Life of Fluoropolymer Tubing

The shelf life of fluoropolymer tubing including FEP, PTFE and PFA is dependent on many factors pertaining to their storage conditions. Products stored in their original packaging in a dry, cool environment away from direct sun light and artificial light should remain in optimal condition for 10 years. We do, however, recommend visual inspection of tubing for discoloration, hardening and deformation and the hydro testing of pressure rated tubing after three years.

TEMPERATURE: In order to avoid certain forms of deterioration that may occur at higher temperatures, storage temperatures should be below 77F (25 C). The effects of low temperatures are not permanently damaging, but articles may stiffen more than usual.

HUMIDITY: Store in a dry environment to avoid condensation.

LIGHT: Tubing & hoses should be protected from light, especially direct sunlight and strong artificial light with high ultraviolet content.

OXYGEN AND OZONE: Whenever possible tubing and hoses should be protected from circulating air, ozone is very abrasive toward rubber, storage rooms should not contain any equipment capable of generating ozone such as mercury lamps, electric motors and any other equipment that produces electrical sparks and discharge.

DEFORMATION: Whenever possible, tubing and hoses should be stored in a relaxed condition free from tension, compression or other deformation.

CONTACT WITH LIQUID OR SEMI-SOLID MATERIALS: Rubber should not come in contact with liquids or semi-solid materials, especially solvents, oils and greases at any time during storage.

ROTATION OF STOCKS: Tubing and hoses should remain in stores for as short of a period as possible. Therefore, articles should be issued from stores in strict rotation.



Michael Smith
Quality Assurance Manager