## MOORINGS

Urethane Technologies will be supply moorings and anchors if you desire. We commonly manufacture mooring systems using the following materials:

- Concrete - 3000 lb. mix type II - anchors, clump weights & ballast weights
- Stud link anchor chain
- Standard link galvanized chain
- Spectra® 900 or Spectra® 1000 line
- Kevlar® line
- Nylon line
- Stainless aircraft cable
- Galvanized wire rope
- Steel or lead anchors, clump weights & ballast weights.
- Riser buoys

Since each mooring system is designed for specific requirements, it is difficult to be very specific in a general catalog of this nature. As such, this section includes information on certain mooring materials.

## MOORING LINES

Mooring lines are available in a number of synthetic materials. Some of these are listed below for comparison.

• **Nylon:** A relatively strong synthetic rope that weathers fairly well. As it has a 1.3 to 1.4 specific gravity, it sinks.

• **Polypropylene:** A strong weatherable rope that floats. Polypropylene has a specific gravity of 0.9. This rope is usually yellow in color.

• **Kevlar®:** Ultra-high strength rope with very low stretch. Kevlar® does not weather well in direct sunlight and looses up to 10% of its strength when wet. It will withstand temperatures up to 500 degrees F. Kevlar® is not very abrasion resistant and care should be taken to avoid creating a “hinge point” when splicing. Tight bends should be avoided. Kevlar® has a slightly negative buoyancy.

• **Spectra®:** The strongest synthetic line. Spectra® is neutrally buoyant. It weathers extremely well, but should not be used in areas where the temperature may exceed 200 degrees F. Spectra® 900 has a moderate elongation (and creep) while Spectra® 1000 has a very low elongation. Both versions of Spectra® resist abrasion quite well and can be used over fairly tight bends.