Stock Shape Acetals and Nylons Ideal for Machining Parts

Ensinger offers a wide range of engineering plastics that are ideal for machining a variety of parts. Produced in ISO 9001:2000 certified facilities from premium grade resins, Ensinger materials show consistently low internal stress that leads to dimensional stability and the ability to hold tighter tolerances. Based on the application, designers can choose from several popular brand name products, including Delrin, Tecaform, Tecamid, and Tecast.

Delrin and Tecaform are acetal products that are used extensively in bushings, bearings, pulleys, and other wear products. Tecaform, an acetal copolymer can be found in general industrial bushings, rollers, and pulleys. Ensinger’s Delrin shapes are made from homopolymer resin manufactured by DuPont. They offer superior tensile properties, fatigue endurance, and creep resistance when compared to acetal copolymers. It is ideal for use in surface wear applications on conveyors such as bushings, fittings, and impellers. It has excellent chemical resistance to hydrocarbons, solvents, and natural chemicals. Both products exhibit low moisture absorption.

Tecamid and Tecast are nylon products. Tecamid, used in bushings, bearings, pulleys, and other wear parts, is extruded nylon that is chemical resistant to hydrocarbons, ketones, and esters. Tecast, a cast nylon, provides an excellent combination of bearing properties, toughness, strength, and light weight. Stock shapes of Tecast are available in almost limitless size range and can be cast to custom specifications.

Source URL (retrieved on *12/26/2014 - 4:58pm*):
http://www.mdtmag.com/product-releases/2010/07/stock-shape-acetals-and-nylons-ideal-machining-parts