



# POMALUX®

## Stock Shapes, Sheet and Film

Made from **Acetal Copolymer** Resin

### Stock Shapes

Rod (1/8" - 8") – Extruded (Stress Relieved)

Heavy Gauge Sheet (1/4" - 2") – Compression Molded (Stress Relieved)

Heavy Gauge Sheet (2½" - 6") – Extruded (Stress Relieved)

**Thin Gauge Sheet** (.060" - 3/16") – Extruded

**Film** (.001" - .029") – Extruded

- Abrasion Resistant
- Self-Lubricating
- Dimensionally Stable
- Extremely Strong
- Very Stiff
- Highly Chemical Resistant
- Easily Machined
- FDA Compliant
- Compression Molded Sheet (1/4" - 2") is available in sizes to 61"x 121"

### Material Characteristics

Westlake POMALUX stock shapes, sheet and film have many of the characteristics of metal including: stiffness, dimensional stability, structural strength and spring-like resiliency. Because POMALUX products are reasonably priced, they have replaced zinc, brass and aluminum in the manufacture of many parts for a variety of applications. In addition, POMALUX products are inherently self-lubricating, making them ideally suited for wear applications. POMALUX products are manufactured from acetal copolymer resins that meet ASTM D 4181 resin specifications (call for specific class and grade).

### Chemical and Hot Water Resistance

POMALUX stock shapes, sheet and film have superior stability in water and chemicals at elevated temperatures and will retain their properties over a long period of time. They can withstand hot water applications, including steam autoclaving.

### FDA Compliance

Unfilled POMALUX rod, heavy gauge sheet, thin gauge sheet and film are made from natural and black acetal copolymer resins which are FDA compliant. Westlake also manufactures POMALUX rod in a variety of colors using precompounded resins that are FDA compliant. Unfilled POMALUX products are used in both repeated food contact and medical applications. Unfilled natural POMALUX is made from acetal copolymer resin which meets the requirements of USP XX Class VI (Biocompatibility).

### Glass Reinforced Sheet

In addition to unfilled POMALUX products, Westlake also manufactures 25% glass reinforced POMALUX heavy gauge sheet. Glass reinforced POMALUX heavy gauge sheet has high creep resistance and a flexural modulus that approaches the value of metals such as brass, zinc, and aluminum. Its heat deflection temperature of 322°F at 264 psi loading is ideal for high load/high temperature applications.

### Large Compression Molded Sheet (up to 61"x 121")

Westlake is the only company capable of making compression molded acetal copolymer sheet in sizes 48"x 96", 49"x 121" and 61"x 121". These POMALUX sheets are ideal for large fabricated parts or multiple parts where a large sheet offers better yields.