

Pomalux[®] B

(acetal copolymer)

Medical grade Pomalux B is made from acetal copolymer resin which allows machined products the ability to retain dimensional integrity, maintain stability in water and most chemicals at elevated temperatures. Pomalux B products are opaque and are available in a wide array of standard colors as well as on a custom basis. Recommended sterilization techniques for Pomalux B include EtO gas and steam autoclaving. Disinfectants and germicides generally have no effect on Pomalux B, however, acidic solutions can degrade the polymer.

The following physical property information is based on typical values of the base acetal copolymer resin.

	Units	ASTM Test	Result
Mechanical			
Flexural Modulus	psi	ISO 178	348,100
Izod Impact Strength			
Notched @23°C	ft•lbs/in ²	ISO 180/1A	3.0
Elongation @ yeild	%	ISO 527	10
Nom. Elongation @break	%	ISO 527	33
Tensile Modulus	psi	ISO 527	355,300
Tensile Strength @yield	psi	ISO 527	8,850
Thermal			
Flammability Rating-UL94 @0.60"	—	—	HB
Other			
Specific Gravity	—	ISO 1183	1.4
Water Absorption @24 hours	%	ISO 62	0.7

Westlake Product Bulletin



Applications Include:

- Provisional trials
- Instrument handles
- Medical device components

Advantages of Medical Grade Pomalux:

- Lot controlled and traceable
- Colorants comply with FDA regulations 21 CFR 178.3297
- Resin meets the requirements of USP Class VI specifications
- Stress relieved
- Laser markable

Manufacturing Capabilities:

Standard:

Rod: 1" to 4" diameter-colors
(1/2" increments)

1" to 4" diameter-black
(1/4" increments)

Rod lengths: 1" to 2" diameter - 96"

2 1/2" to 4" diameter - 48"

Non-Standard:

Rod: 1/2" to 6" diameter

Sheet: .060" to 3/16" thick

Slab: 1/4" to 4" thick

Film: .002" to .029" thick

Colors/Grades:

Standard: Black, brown, dark blue, dark green, gray, light blue, light green, red, rust and yellow.

*In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

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