

POMALUX® (MEDICAL GRADE)

Acetal CoPolymer (Medical Grade) / Delrin (Medical Grade)



** POMALUX® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

- Rod : 1/2" - 6"
- Heavy Gauge Sheet : 1/4" - 4"
- Thin Gauge Sheet : 0.060" - 3/16"
- Film : 0.002" - 0.029"

ADVANTAGES:

- Lot Controlled And Traceable
- Resin Complies With FDA Regulations 21 CFR 177.2470 And 21 CFR 178.3297 For Colorants
- Resin Meets The Requirements Of USP Class VI Specifications
- Stress Relieved
- Laser Markable

PRODUCT COLORS:

- Black
- Dark Blue
- Grey
- Brown
- Dark green
- Light Blue
- Red
- Light Green
- Rust
- Yellow

APPLICATIONS INCLUDE:

- Provisional Trials
- Instrument Handles
- Medical Device Components

GENERAL PROPERTIES	ASTM or UL Test	POMALUX® (MEDICAL GRADE) Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.41
Water Absorption, 24 hrs (%)	D570	0.22
MECHANICAL		
Tensile Strength (psi)	D638	8,800
Tensile Elongation at Break (%)	D638	75
Flexural Strength (psi)	D790	13,000
Flexural Modulus (psi)	D790	375,000
IZOD Notched Impact (ft-lb/in)	D256	1.5
IZOD Un-Notched Impact (ft-lb/in)	D256	-
Hardness, Rockwell	D785	M78
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	4.5 – 6.1
Heat Deflection Temp (°F / °C) @ 264 psi	D648	230 / 110
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	1.6
Flammability Rating @ .030"	UL-94	HB
ELECTRICAL		
Surface Resistivity (ohm/sq)	D257	-
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	-
Static Decay, 15% RH (seconds)	MIL-B-81705-B	-

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.