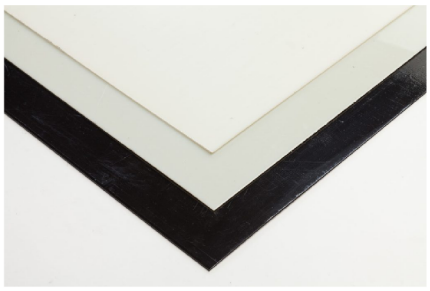
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

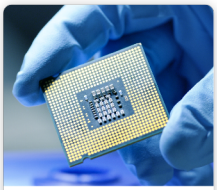
Pomalux® SD-A



Pomalux® POMC SD-A (Anti Static polyoxymethylene copolymer) is a permanently antistatic acetal copolymer. Surface resistivity in the 10ee9 to 10ee11 ohm/sq independent of humidity and temperature is typical. Natural/off white in color, this material offers enhanced lubricity, superior wear resistance, and ease of machining. Exhibiting low outgassing and non-sloughing characteristics, Pomalux® POMC SD-A is optimal for applications where sloughing cannot be accepted.

INDUSTRY

Engineering



Semiconductor and ESD

COLORS AVAILABLE

Black Natural

ATTRIBUTES

- Impact Resistance
- Dielectric Properties
- Chemical Resistance
- Antistatic-ESD
- Wear Resistance

SHAPES

- Compression Sheet
- Extruded Sheet

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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Tensile Strength - Yield	ASTM D638	5,950 psi	41 Mpa
Tensile Strength - Break	ASTM D638	4,640 psi	32 Mpa
Tensile Elongation - Yield	ASTM D638	16 %	16 %
Tensile Elongation - Break	ASTM D638	60 %	60 %
Tensile Modulus	ASTM D638	231,000 psi	1,590 Mpa
Flexural Strength	ASTM D790	7,110 psi	49 Mpa
Flexural Modulus	ASTM D790	290,000 psi	1,440 Mpa
Izod Impact Resistance - Notched	ASTM D256	no break ft-lb/in	no break kJ/m
Izod Impact Resistance - Unnotched	ASTM D4812	no break ft-lb/in	no break kJ/m
Thermal			
HDT @ 64 psi	ASTM D648	295°F	146°C
HDT @ 264 psi	ASTM D648	153°F	67°C
Physical			
Moisture Absorption	ASTM D570	2.3 %	2.3 %
Surface Resistivity	ASTM D257	10^9 - 10^{11} ohm/sq	10^9 - 10^{11} ohm/sq
Specific Gravity	ASTM D792	1.32	1.32
Electrical			
Surface Resistivity	ASTM D257	10^9 - 10^{11} ohm/sq	10^9 - 10^{11} ohm/sq
Other			

*Data above is based on testing of injection molded test specimens

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Pomalux® SD-A

PRODUCT SHAPES & DIMENSIONS

Compression Sheets: 24"W x 48"L (61cm x 122cm)

0.25" (6.35mm) 0.375" (9.53mm) 0.5" (12.7mm) 0.75" (19.05mm) 1" (25.4mm)

Compression Sheets: 48"W x 96"L (122cm x 244cm)

0.25" (6.35mm) 0.375" (9.53mm) 0.5" (12.7mm) 0.75" (19.05mm) 1" (25.4mm)

Compression Sheets: 48"W x 120"L (122cm x 305cm)

0.25" (6.35mm) 0.375" (9.53mm) 0.5" (12.7mm) 0.75" (19.05mm) 1" (25.4mm)

Compression Sheets: 60"W x 120"L (152cm x 305cm)

0.25" (6.35mm) 0.375" (9.53mm) 0.5" (12.7mm) 0.75" (19.05mm) 1" (25.4mm)

Extruded Sheets: 48"W x 96"L (122cm x 244cm)

0.03" (0.76mm) 0.035" (0.89mm) 0.06" (1.52mm) 0.062" (1.57mm) 0.08" (2.03mm) 0.09" (2.29mm)

0.095" (2.41mm) 0.125" (3.18mm) 0.1875" (4.76mm) 0.25" (6.35mm)

LAST REVISED: 02/27/2026

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