



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

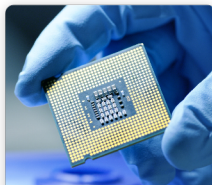


Pomalux® POMC SD-A (Anti Static polyoxymethylene copolymer) is a permanently antistatic acetal copolymer. Surface resistivity in the 10^{ee9} to 10^{ee11} ohm/sq independent of humidity and temperature is typical. Natural/off white in color, this material offers enhanced lubricity, superior wear resistance, 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



Chemical Resistance



Impact Resistance



Dielectric Properties



Wear Resistance



SHAPES

Compression Sheet



Extruded Sheet





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

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

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



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

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: 01/30/2025

This information is offered solely for your consideration, examination and verification, and is to be construed neither as a warranty nor guarantee that the same results as those stated herein will be obtained by the use to which others may put the material. Each user of the material should make his own tests to determine the characteristics and suitability of the material for his own particular use and the use which will be made of the completed product. This publication is not to be taken as a license to operate under, or a recommendation to infringe any patents. The observance of all legal regulations and patents is the responsibility of the user. The buyer's exclusive remedy against the seller shall be for the repair or replacement of defective stock. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or other incidental or consequential loss) shall be available to the buyer.

EXCLUSION OF WARRANTIES: THERE ARE NO WARRANTIES AS TO THE MATERIAL DESCRIBED HEREIN, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ANY VALUES STATED IN SELLER'S LITERATURE ARE TYPICAL PROPERTIES ONLY.