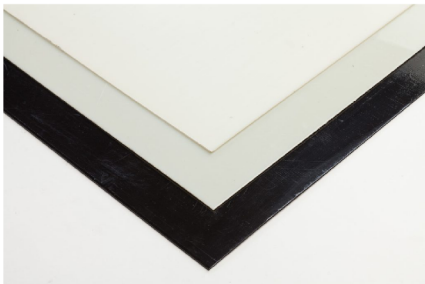




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# Pomalux® SD-A

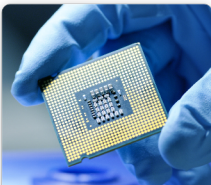


Pomalux® POMC SD-A (Anti Static polyoxymethylene copolymer) is a permanently antistatic acetal copolymer. Surface resistivity in the 10ee9 to 10ee11 ohm/sq independent of humidity and temperature is typical. Natural/off white in color, this material offers enhanced lubricity, superior wear resistance,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

 Chemical Resistance	
 Dielectric Properties	
 Impact Resistance	
 Wear Resistance	

SHAPES

Compression Sheet	
Extruded Sheet	



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# Pomalux® SD-A

## TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
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
<b>Thermal</b>			
HDT @ 64 psi	ASTM D648	295°F	146°C
HDT @ 264 psi	ASTM D648	153°F	67°C
<b>Physical</b>			
Moisture Absorption	ASTM D570	2.3 %	2.3 %
Surface Resistivity	ASTM D257	10 <sup>9</sup> - 10 <sup>11</sup> ohm/sq	10 <sup>9</sup> - 10 <sup>11</sup> ohm/sq
Specific Gravity	ASTM D792	1.32	1.32

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



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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)
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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)
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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)
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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: 01/05/2024

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