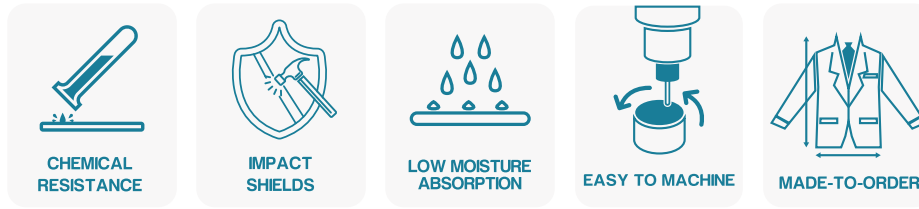


# PP PROPYLUX<sup>®</sup> SD-A

## ElectroStatic Discharge

Propylux<sup>®</sup> is a Registered Trademark of Westlake Plastics Co.

Propylux SD-A is a non-carbon filled static-dissipative polypropylene resin. Surface Resistivity dry (10<sup>9</sup> - 10<sup>11</sup> ohm/sq). Propylux SD-A provides good chemical resistance, low moisture absorption, good strength and stiffness, and temperature resistance to 227°F. Propylux SD-A is lightweight and machineable.



The following physical property information is based on typical values of the base polypropylene resin as well as test results from extruded rod.

Electrical Properties	Test Method	Result	
		Metric	English
Surface Resistivity dry	ASTM D257	10 <sup>9</sup> - 10 <sup>11</sup> ohm/sq	10 <sup>9</sup> - 10 <sup>11</sup> ohm/sq
Volume Resistivity dry	ASTM D257	10 <sup>9</sup> - 10 <sup>11</sup> ohm-cm	3.93 x 10 <sup>9</sup> - 3.93 x 10 <sup>11</sup> ohm-in
Static decay	Mil-B-81705-B	< 0.3 seconds	< 0.3 seconds
Mechanical Properties	Test Method	Result	
		Metric	English
Tensile Strength at yield	ASTM D638	30 MPa	4.4 kpsi
Tensile Elongation at break	ASTM D638	200 %	200 %
Flexural Strength	ASTM D790	43 MPa	6.2 kpsi
Flexural Modulus	ASTM D790	1379 MPa	200 kpsi
Izod Impact Strength Notched	ASTM D256	0.75 J/cm	1.4 ft-lb/in
Izod Impact Strength Un-notched	ASTM D256	No Break J/cm	No Break ft-lb/in
Hardness-Shore D	ASTM D2240	72	72
Other Properties	Test Method	Result	
		Metric	English
Specific Gravity	ASTM D792	0.94	0.94
Water Absorption at 24 hours	ASTM D570	1 %	1 %
Thermal Properties	Test Method	Result	
		Metric	English
Heat Deflection Temp. at 264 psi	ASTM D648	57 °C	135 °F
Heat Deflection Temp. at 66 psi	ASTM D648	108 °C	227 °F
Flam. Rating-UL94	-	HB	HB

### Applications Include:

- Semiconductor Packaging, Process and Testing Components
- Semiconductor Wet/Dry Processing and CMP components
- Sensitive Electronic components
- Explosives handling equipment

### Manufacturing Capabilities:



### Colors:

**Black**

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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Phone : 1.610.459.1000  
 Phone : 1.800.000.1700  
 Fax : 610.459.1084  
 490 West Lenni road  
 Lenni, PA 19052  
 U.S.A  
 Email : info@westlakeplastics.com

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