STATIC CONTROL PLASTICS

PROPYLUX®SD-A

Resistive PolyPropylene (PP)

*** PROPYLUX® is the registered trademark of*

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

· Rod: 1/8" – 4"
· Sheet: 0.3" - 4"

ADVANTAGES:

· Non-Carbon Filled
· Permanently Dissipative
· Good Chemical Resistance And Mechanical Properties
· Light Weight and Weldable
· Easily Machined And Fabricated
· Moderate Transparency At Thinner Gauges

PRODUCT COLORS:

- Black
- Camel

APPLICATIONS INCLUDE:

· Semiconductor Packaging, Process and Testing Components
· Semiconductor Wet/Dry Processing and CMP Components
· Sensitive Electronic Components
· Explosives Handling Equipment

GENERAL PROPERTIES	ASTM or UL Test	PROPYLUX® SD-A Typical Values
PHYSICAL		
Specific Gravity (g/cm^3)	D792	0.94
Water Absorption, 24 hrs (%)	D570	1
MECHANICAL		
Tensile Strength (psi)	D638	4,400
Tensile Elongation at Yield (%)	D638	200
Flexural Strength (psi)	D790	6,200
Flexural Modulus (psi)	D790	200,000
IZOD Notched Impact (ft-lb/in)	D256	1.4
IZOD Un-Notched Impact (ft-lb/in)	D256	No Break
Hardness, Shore D	D2240	72
THERMAL		
Coeff. of Thermal Expansion (x 10^{-5}in./in./°F)	D696	–
Heat Deflection Temp (°F / °C) @ 264 psi	D648	135 / 57
Thermal Conductivity (BTU-in/ft^2-hr-°F)	C177	–
Flammability Rating @ .030"	UL-94	HB
ELECTRICAL		
Surface Resistivity (ohms/sq)	D257	10^9 - 10^{11}
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	10^9 - 10^{11}
Static Decay, 15% RH (seconds)	MIL-B-81705-B	<0.3

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.

Pactumax.com

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