

Pomalux® SD-A

Acetal (POM) Copolymer
Westlake Plastics Company

Message:

Pomalux SD-A (Static-dissipative acetal copolymer) Non-carbon-filled, permanently staticdissipative material which is non-migratory and non-humidity dependent. With enhanced lubricity, Pomalux SD-A provides superior wear resistance and ease of machining. Its extremely low outgassing values and non-sloughing characteristics make it ideal for applications where particulate generation cannot be tolerated. Enhanced lubricity, chemically resistant, and dimensionally stable.

- Advantages:
- Low outgassing
 - Consistent resistivity values
 - Ease of machining
 - Good chemical resistance
- Applications:
- Disk drive assembly fixtures
 - Semiconductor/electronic components
 - Telecommunication hardware
 - Automotive equipment

General Information	
Filler / Reinforcement	Filler
Additive	Antistatic
	Lubricant
Features	Antistatic
	Copolymer
	Good Chemical Resistance
	Good Dimensional Stability
	Good Wear Resistance
	Low to No Migration
	Low to No Outgassing
	Lubricated
	Machinable
	Non-Sloughing
Uses	Automotive Applications
	Electrical Parts
	Telecommunications
Appearance	Beige
	Natural Color
Forms	Film
	Rod

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Water Absorption (24 hr)	2.5	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	42.7	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	1790	MPa	ASTM D790
Flexural Strength	59.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Unnotched Izod Impact	1600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	156	°C	
1.8 MPa, Unannealed	88.9	°C	
CLTE - Flow	1.2E-4	cm/cm/°C	ASTM D696
Thermal Conductivity	0.29	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8 to 1.0E+10	ohms	ASTM D257
Volume Resistivity	1.0E+8 to 1.0E+10	ohms·cm	ASTM D257
Static Decay - 15% RH	< 0.2	sec	MIL B-81705
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.762 mm)	HB		UL 94

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