

Pomalux® CN-SS

Acetal (POM) Copolymer
Westlake Plastics Company

Message:

Pomalux CN-SS (Conductive Acetal Copolymer) Stainless-steel-fiber-filled, non-sloughing, dimensionally stable material HDT @ 264 psi of 225° F. This material has relatively high chemical resistance, is extremely strong and stiff, and is an excellent choice for situations where carbon-based conductive fillers are not acceptable. Easily machined with carbide-tipped tooling to tight tolerances.

- 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	Stainless Steel Fiber		
Features	Copolymer		
	Good Chemical Resistance		
	Good Dimensional Stability		
	High Stiffness		
	High Strength		
	Low to No Outgassing		
	Machinable		
	Non-Sloughing		
Uses	Semi Conductive		
	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
Appearance	Telecommunications		
	Dark Grey		
Forms	Film		
	Rod		
	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	86		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	59.3	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	37	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	107	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+6	ohms·cm	ASTM D257

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