

Carbo-Rite™ F-1260

Acetal (POM) Copolymer
Lubrizol Advanced Materials, Inc.

Message:

Carbo-Rite™ F-1260 is a carbon fiber-reinforced Polyacetal (POM) compound available in pellet form. Carbo-Rite™ F-1260 solves a wide range of static decay, static shielding and electromagnetic shielding problems.

FEATURES

- Consistent performance
- Recyclable
- Durable

APPLICATIONS

- Machined components
- PCB racks

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Durable		
	Electromagnetic Shielding (EMI)		
	Rapid Static Decay		
	Recyclable Material		
Uses	Electrical/Electronic Applications		
	Machine/Mechanical Parts		
	Racks		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70 to 0.90	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5520	MPa	ASTM D638
Tensile Strength (Break)	58.6	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	5520	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	160	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+6	ohms · cm	ASTM D257

Surface Resistivity - 50% R.H.	< 1.0E+6	ohms/sq	ASTM D257
Ionic Content ¹			Internal Method
Cl Anion	12.0	ng/cm ²	
NO3 Anion	11.0	ng/cm ²	
PO4 Anion	12.0	ng/cm ²	
SO4 Anion	14.0	ng/cm ²	
Outgassing ²			Internal Method
MMA	< 0.0300	µg/g	
Styrene	0.100	µg/g	
Toluene	0.0300	µg/g	
Total Organics	4.00	µg/g	

NOTE

1. Test Method #3010-4
2. Test Method #3010-3

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Recommended distributors for this material

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