Carbo-Rite™ F962

Polycarbonate

Lubrizol Advanced Materials, Inc.

Message:

Carbo-Rite™ F962 is a carbon fiber-reinforced Polycarbonate compound available in pellet form. Carbo-Rite F962 solves a wide range of static decay, static shielding and electromagnetic shielding problems.
FEATURES
Consistent performance
Recyclable
Durable
APPLICATIONS
Component trays
PCB racks
Internal components

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Durable Electromagnetic Shielding (EMI) Rapid Static Decay Recyclable Material		
Uses	Electrical/Electronic Applications Racks		
Appearance	Black		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.26	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	8960	MPa	ASTM D638
Tensile Strength (Break)	117	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	8270	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	110	J/m	ASTM D256
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	< 1.0E+4	ohms·cm	ASTM D257
Surface Resistivity	< 10000	ohms/sq	ASTM D257
Ionic Content [1]			Internal Method
Cl Anion	6.25	ng/cm²	

NO3 Anion	15.0	ng/cm²	
PO4 Anion	3.75	ng/cm²	
SO4 Anion	18.8	ng/cm²	
Outgassing [2]			Internal Method
MMA	< 0.0300	µg/g	
Styrene	< 0.0200	µg/g	
Toluene	< 0.0200	µg/g	
Total Organics	2.00	µg/g	

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

Recommended distributors for this material

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WECHAT