

# RJM EC102F2

Polycarbonate  
RJM International, Inc.

Message:

RJM EC102F2 is a Polycarbonate (PC) product filled with carbon fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Additive/Masterbatch.  
Characteristics include:  
Flame Rated  
Conductive

General Information			
Filler / Reinforcement	Carbon Fiber		
Features	Electrically Conductive		
Uses	Compounding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	137	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8830	MPa	ASTM D790
Flexural Strength	177	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	140	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	10 to 1.0E+3	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	270 to 310	°C	
Mold Temperature	120	°C	

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