

# RTP EMI 881

Acetal (POM) Copolymer

RTP Company

## Message:

Warning: The status of this material is 'Commercial: Limited Issue'  
The data for this material has not been recently verified.  
Please contact RTP Company for current information prior to specifying this grade.

General Information			
Filler / Reinforcement	Nickel-Coated Carbon Fiber,10% Filler by Weight		
Features	Electromagnetic Shielding (EMI)		
	ESD Protection		
	Radio Frequency Shielding (RFI)		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.20 to 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	7580	MPa	ASTM D638
Tensile Strength	59.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	4.0	%	ASTM D638
Flexural Modulus (Injection Molded)	6890	MPa	ASTM D790
Flexural Strength (Injection Molded)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	75	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	127	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	10	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.50 mm)	HB	UL 94
Injection	Nominal Value	Unit
Rear Temperature	177 to 210	°C
Middle Temperature	177 to 210	°C
Front Temperature	177 to 210	°C
Mold Temperature	82.0 to 107	°C
Injection Pressure	69.0 to 103	MPa

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#### Recommended distributors for this material

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