

RTP ESD 187 HF

Polypropylene
RTP Company

Message:
Carbon Fiber - High Flow - Electrically Conductive

General Information			
Filler / Reinforcement	Carbon Fiber,40% Filler by Weight		
Features	Electrically Conductive		
	High Flow		
RoHS Compliance	Contact Manufacturer		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.050 to 0.15	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21400	MPa	ASTM D638
Tensile Strength	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	0.50	%	ASTM D638
Flexural Modulus	19300	MPa	ASTM D790
Flexural Strength	107	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	130	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+4	ohms	ASTM D257
--	< 1.0E+3	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+2	ohms·cm	ASTM D257
Static Decay	< 0.5	sec	FTMS 101C 4046.1
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	191 to 232	°C	
Mold Temperature	32.2 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	

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Recommended distributors for this material

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