

**RTP 681 HEC**

ABS-(CF+MED(Ni))10

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	5516	MPa	ASTM D 638
Tensile Strength	68.9	MPa	ASTM D 638
Flexural Modulus	5171	MPa	ASTM D 790
Flexural Strength	103	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	100000	Ohm	ASTM D 257
Volume Resistivity	100	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1120	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	0.1	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	2	h	-
Melt temperature	204 - 238	°C	-
Mold temperature	62.8 - 85	°C	-
Injection pressure	68.9 - 103	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity