

**RTP 2283 HEC**

PEEK-(CF+MED(Ni))20

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	13100	MPa	ASTM D 638
Tensile Strength	155	MPa	ASTM D 638
Flexural Modulus	11720	MPa	ASTM D 790
Flexural Strength	224	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	10000	Ohm	ASTM D 257
Volume Resistivity	10	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1430	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	0.1	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	3	h	-
Melt temperature	349 - 399	°C	-
Mold temperature	163 - 218	°C	-
Injection pressure	82.7 - 124	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity