

**RTP 381 TFE 10 SE**  
(PC+PTFE)-CF10

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.00125</b>	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	<b>7584</b>	MPa	ASTM D 638
Tensile Strength	<b>110</b>	MPa	ASTM D 638
Flexural Modulus	<b>6895</b>	MPa	ASTM D 790
Flexural Strength	<b>172</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>90.7</b>	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-2</b>	-	UL 94
Thickness tested	<b>1.59</b>	mm	-
DTUL @ 66 psi	<b>143</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>138</b>	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	<b>1E7</b>	Ohm	ASTM D 257
Volume Resistivity	<b>1000</b>	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	<b>0.12</b>	%	ASTM D 570
Density	<b>1320</b>	kg/m <sup>3</sup>	ASTM D 792
Moisture Content	<b>0.02</b>	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	<b>121</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Melt temperature	<b>288 - 316</b>	°C	-
Mold temperature	<b>82.2 - 121</b>	°C	-
Injection pressure	<b>68.9 - 103</b>	MPa	-

**Characteristics**

**Processing**

Injection Molding

**Additives**

Lubricants

**Special Characteristics**

Flame retardant

**Regional Availability**

North America, Europe, Asia Pacific