

RTP 4201 TFE 5

(PI+PTFE)-GF10

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	5171	MPa	ASTM D 638
Tensile Strength	117	MPa	ASTM D 638
Flexural Modulus	4826	MPa	ASTM D 790
Flexural Strength	172	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.59	mm	-

Other properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ASTM D 792
Moisture Content	0.01	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	204	°C	-
Pre-drying - Time	6	h	-
Melt temperature	399 - 416	°C	-
Mold temperature	177 - 232	°C	-
Injection pressure	138 - 193	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants