

RTP 2200 HF TFE 5
(PEEK+PTFE)

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	4137	MPa	ASTM D 638
Tensile Strength	89.6	MPa	ASTM D 638
Flexural Modulus	3447	MPa	ASTM D 790
Flexural Strength	121	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64.1	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	-
DTUL @ 264 psi	171	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	15.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.004	-	ASTM D 150
Dielectric Constant, 1 MHz	3.5	-	ASTM D 150
Arc Resistance	40	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1320	kg/m ³	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

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific