

PermaStat® 800 TFE 10

(POM+PTFE)

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0175	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	1379	MPa	ASTM D 638
Tensile Strength	37.9	MPa	ASTM D 638
Flexural Modulus	1517	MPa	ASTM D 790
Flexural Strength	51.7	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	2.29	mm	-
Electrical properties			
ASTM Data			
Surface Resistivity	9.9E11	Ohm	ASTM D 257
Volume Resistivity	9.9E10	Ohm*cm	ASTM D 257
Other properties			
Density	1370	kg/m ³	ASTM D 792
Moisture Content	0.15	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	2	h	-
Melt temperature	177 - 204	°C	-
Mold temperature	82.2 - 121	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Anti-static

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific