

RTP 881 TFE 18 SI 2
(POM+PTFE+SI)-CF10

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	7584	MPa	ASTM D 638
Tensile Strength	75.8	MPa	ASTM D 638
Flexural Modulus	6895	MPa	ASTM D 790
Flexural Strength	117	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 264 psi	152	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	1000000	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1520	kg/m ³	ASTM D 792
Moisture Content	0.15	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	2	h	-
Melt temperature	182 - 218	°C	-
Mold temperature	79.4 - 107	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants