

RTP 1382 D TFE 5

(PPS+PTFE)-CF15

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.001	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	13790	MPa	ASTM D 638
Tensile Strength	159	MPa	ASTM D 638
Flexural Modulus	13100	MPa	ASTM D 790
Flexural Strength	214	MPa	ASTM D 790
Izod Impact notched, 1/8 in	42.7	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	260	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	10000	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1430	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Melt temperature	302 - 343	°C	-
Mold temperature	135 - 177	°C	-
Injection pressure	82.7 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants