

RTP 1300 TFE 20

(PPS+PTFE)

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.012	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3999	MPa	ASTM D 638
Tensile Strength	41.4	MPa	ASTM D 638
Flexural Modulus	3792	MPa	ASTM D 790
Flexural Strength	75.8	MPa	ASTM D 790
Izod Impact notched, 1/8 in	21.4	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	129	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1470	kg/m ³	ASTM D 792
Moisture Content	0.04	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	6	h	-
Melt temperature	307 - 329	°C	-
Mold temperature	135 - 177	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific