

RTP 1500-55D TFE 15

(TPC+PTFE)

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.02	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	275.8	MPa	ASTM D 638
Tensile Strength	25.5	MPa	ASTM D 638
Flexural Modulus	275.8	MPa	ASTM D 790
Flexural Strength	11	MPa	ASTM D 790
Shore D Hardness	55	-	ASTM D 2240

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-

Other properties	Value	Unit	Test Standard
Density	1290	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	104	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	210 - 238	°C	-
Mold temperature	21.1 - 48.9	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Additives

Lubricants