

RTP 1500.5-55D

TPC-GF5

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	551.6	MPa	ASTM D 638
Tensile Strength	28.6	MPa	ASTM D 638
Flexural Modulus	413.7	MPa	ASTM D 790
Flexural Strength	17.7	MPa	ASTM D 790
Shore D Hardness	55	-	ASTM D 2240
Izod Impact notched, 1/8 in	416	J/m	ASTM D 256

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.4	%	ASTM D 570
Density	1220	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 - 37.8	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific