

RTP 1201 S-55D

TPU-GF10

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	620.5	MPa	ASTM D 638
Tensile Strength	38.6	MPa	ASTM D 638
Flexural Modulus	413.7	MPa	ASTM D 790
Flexural Strength	17.2	MPa	ASTM D 790
Shore D Hardness	67	-	ASTM D 2240
Izod Impact notched, 1/8 in	801	J/m	ASTM D 256

Other properties	Value	Unit	Test Standard
Density	1280	kg/m ³	ASTM D 792
Moisture Content	0.01	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	6	h	-
Melt temperature	193 - 218	°C	-
Mold temperature	15.6 - 48.9	°C	-
Injection pressure	41.4 - 82.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific