

RTP 1004 FR A

PBT-GF25

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	8963	MPa	ASTM D 638
Tensile Strength	117	MPa	ASTM D 638
Flexural Modulus	7584	MPa	ASTM D 790
Flexural Strength	172	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	64.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 66 psi	210	°C	ASTM D 648
DTUL @ 264 psi	196	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.07	%	ASTM D 570
Density	1610	kg/m ³	ASTM D 792
Moisture Content	0.03	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Melt temperature	238 - 271	°C	-
Mold temperature	79.4 - 107	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant