

RTP 203 A FR

PA6-GF20

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.004	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	8618	MPa	ASTM D 638
Tensile Strength	110	MPa	ASTM D 638
Flexural Modulus	7584	MPa	ASTM D 790
Flexural Strength	186	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 66 psi	204	°C	ASTM D 648
DTUL @ 264 psi	188	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	18.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.015	-	ASTM D 150
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	1E14	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	1.4	%	ASTM D 570
Density	1580	kg/m ³	ASTM D 792
Moisture Content	0.2	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	2	h	-
Melt temperature	243 - 279	°C	-
Mold temperature	54.4 - 93.3	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant