

RTP 204 FR UV

PA66-GF25

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	10340	MPa	ASTM D 638
Tensile Strength	138	MPa	ASTM D 638
Flexural Modulus	8963	MPa	ASTM D 790
Flexural Strength	207	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	90.7	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 66 psi	246	°C	ASTM D 648
DTUL @ 264 psi	229	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
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	3.8	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1640	kg/m ³	ASTM D 792
Moisture Content	0.2	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	79.4	°C	-
Pre-drying - Time	4	h	-
Melt temperature	277 - 299	°C	-
Mold temperature	65.6 - 107	°C	-
Injection pressure	68.9 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather