

RTP 227 FR

PA66-MX

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	8963	MPa	ASTM D 638
Tensile Strength	68.9	MPa	ASTM D 638
Flexural Modulus	7584	MPa	ASTM D 790
Flexural Strength	103	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	26.7	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	227	°C	ASTM D 648
DTUL @ 264 psi	149	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	15.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.017	-	ASTM D 150
Dielectric Constant, 1 MHz	4.12	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.6	%	ASTM D 570
Density	1700	kg/m ³	ASTM D 792
Moisture Content	0.2	%	-
Processing Recommendation Injection Molding			
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