

RTP 4009

PPA-GF50

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	18480	MPa	ASTM D 638
Tensile Strength	248	MPa	ASTM D 638
Flexural Modulus	17240	MPa	ASTM D 790
Flexural Strength	365	MPa	ASTM D 790
Rockwell Hardness	R 125	-	ASTM D 785
Izod Impact notched, 1/8 in	117	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 264 psi	282	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	18.9	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.009	-	ASTM D 150
Dielectric Constant, 1 MHz	6.1	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.16	%	ASTM D 570
Density	1640	kg/m ³	ASTM D 792
Moisture Content	0.05	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	107	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	302 - 329	°C	-
Mold temperature	135 - 163	°C	-
Injection pressure	68.9 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific