

ESD C 204 F

PA12-GF25

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	6205	MPa	ASTM D 638
Tensile Strength	96.5	MPa	ASTM D 638
Flexural Modulus	5861	MPa	ASTM D 790
Flexural Strength	159	MPa	ASTM D 790
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
Electrical properties			
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257
Volume Resistivity	1000	Ohm*cm	ASTM D 257
Other properties			
Density	1300	kg/m ³	ASTM D 792
Moisture Content	0.1	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	79.4	°C	-
Pre-drying - Time	4	h	-
Melt temperature	221 - 274	°C	-
Mold temperature	65.6 - 104	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity