

RTP 2184

PEI-CF25

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0005	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	18960	MPa	ASTM D 638
Tensile Strength	214	MPa	ASTM D 638
Flexural Modulus	17240	MPa	ASTM D 790
Flexural Strength	293	MPa	ASTM D 790
Izod Impact notched, 1/8 in	64.1	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	210	°C	ASTM D 648
DTUL @ 264 psi	207	°C	ASTM D 648
Electrical properties			
ASTM Data			
Surface Resistivity	100000	Ohm	ASTM D 257
Volume Resistivity	1000	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.2	%	ASTM D 570
Density	1370	kg/m ³	ASTM D 792
Moisture Content	0.04	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	4	h	-
Melt temperature	354 - 399	°C	-
Mold temperature	135 - 177	°C	-
Injection pressure	82.7 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific