

RTP 2105 Z

PEI-GF30

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	11030	MPa	ASTM D 638
Tensile Strength	159	MPa	ASTM D 638
Compressive Strength	145	MPa	ASTM D 695
Flexural Modulus	9653	MPa	ASTM D 790
Flexural Strength	221	MPa	ASTM D 790
Rockwell Hardness	R 123	-	ASTM D 785
Izod Impact notched, 1/8 in	80.1	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			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.005	-	ASTM D 150
Dielectric Constant, 1 MHz	3.9	-	ASTM D 150
Other properties			
Water Absorption, 24hr	0.18	%	ASTM D 570
Density	1490	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

Certifications

Food contact, Food approval FDA 21 CFR