

RTP 1302

PPS-GF15

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	8274	MPa	ASTM D 638
Tensile Strength	89.6	MPa	ASTM D 638
Flexural Modulus	7929	MPa	ASTM D 790
Flexural Strength	117	MPa	ASTM D 790
Rockwell Hardness	R 121	-	ASTM D 785
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	0.794	mm	-
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	246	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	14.2	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.001	-	ASTM D 150
Dielectric Constant, 1 MHz	3.3	-	ASTM D 150
Arc Resistance	100	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.02	%	ASTM D 570
Density	1460	kg/m ³	ASTM D 792
Moisture Content	0.04	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	6	h	-
Melt temperature	307 - 329	°C	-
Mold temperature	135 - 177	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant