

RTP 1307

PPS-GF40

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0015	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	16550	MPa	ASTM D 638
Tensile Strength	162	MPa	ASTM D 638
Flexural Modulus	15170	MPa	ASTM D 790
Flexural Strength	228	MPa	ASTM D 790
Rockwell Hardness	R 123	-	ASTM D 785
Izod Impact notched, 1/8 in	90.7	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 264 psi	266	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	13.8	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002	-	ASTM D 150
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Arc Resistance	120	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.02	%	ASTM D 570
Density	1680	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