

RTP 1407

PESU-GF40

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.001	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	12410	MPa	ASTM D 638
Tensile Strength	159	MPa	ASTM D 638
Compressive Strength	152	MPa	ASTM D 695
Flexural Modulus	11720	MPa	ASTM D 790
Flexural Strength	224	MPa	ASTM D 790
Rockwell Hardness	R 123	-	ASTM D 785
Izod Impact notched, 1/8 in	96.1	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 66 psi	221	°C	ASTM D 648
DTUL @ 264 psi	216	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	14.6	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.007	-	ASTM D 150
Dielectric Constant, 1 MHz	4.3	-	ASTM D 150
Arc Resistance	80	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1680	kg/m ³	ASTM D 792
Moisture Content	0.04	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	149	°C	-
Pre-drying - Time	6	h	-
Melt temperature	343 - 377	°C	-
Mold temperature	135 - 177	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific