

RTP 1387 C

PPS-CF40

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	32410	MPa	ASTM D 638
Tensile Strength	190	MPa	ASTM D 638
Flexural Modulus	28270	MPa	ASTM D 790
Flexural Strength	269	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	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 @ 264 psi	268	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Volume Resistivity	100000	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1480	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	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