

RTP 2387 C

TPU-CF40

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.00045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	25860	MPa	ASTM D 638
Tensile Strength	224	MPa	ASTM D 638
Flexural Modulus	24820	MPa	ASTM D 790
Flexural Strength	338	MPa	ASTM D 790
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	HB	-	UL 94
Thickness tested	1.59	mm	-

Other properties	Value	Unit	Test Standard
Density	1360	kg/m ³	ASTM D 792
Moisture Content	0.01	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	132	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	238 - 260	°C	-
Mold temperature	93.3 - 121	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific