

RTP 2382 A

TPU-CF15

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.00105	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	9653	MPa	ASTM D 638
Tensile Strength	128	MPa	ASTM D 638
Flexural Modulus	8963	MPa	ASTM D 790
Flexural Strength	193	MPa	ASTM D 790
Izod Impact notched, 1/8 in	149	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
Electrical properties			
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257
Other properties			
Density	1240	kg/m ³	ASTM D 792
Moisture Content	0.01	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	107	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	221 - 243	°C	-
Mold temperature	51.7 - 93.3	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific