

ESD 381

PC-CF

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	7584	MPa	ASTM D 638
Tensile Strength	111	MPa	ASTM D 638
Flexural Modulus	6895	MPa	ASTM D 790
Flexural Strength	176	MPa	ASTM D 790
Izod Impact notched, 1/8 in	80.1	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 264 psi	140	°C	ASTM D 648
Electrical properties			
ASTM Data			
Surface Resistivity	1E8	Ohm	ASTM D 257
Volume Resistivity	1000	Ohm*cm	ASTM D 257
Other properties			
Density	1240	kg/m ³	ASTM D 792
Moisture Content	0.02	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Melt temperature	288 - 316	°C	-
Mold temperature	82.2 - 121	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific