

ESD C 680 FR

ABS-CF

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.001	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	9308	MPa	ASTM D 638
Tensile Strength	110	MPa	ASTM D 638
Flexural Modulus	9722	MPa	ASTM D 790
Flexural Strength	169	MPa	ASTM D 790
Izod Impact notched, 1/8 in	48	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.59	mm	-
Electrical properties			
ASTM Data			
Surface Resistivity	100000	Ohm	ASTM D 257
Volume Resistivity	100	Ohm*cm	ASTM D 257
Other properties			
Density	1270	kg/m ³	ASTM D 792
Moisture Content	0.1	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	2	h	-
Melt temperature	204 - 227	°C	-
Mold temperature	46.1 - 68.3	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity, Flame retardant