

RTP 1800 A FR

(PC+PMMA)

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.007	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2275	MPa	ASTM D 638
Tensile Strength	51.7	MPa	ASTM D 638
Flexural Modulus	2275	MPa	ASTM D 790
Flexural Strength	82.7	MPa	ASTM D 790
Izod Impact notched, 1/8 in	1070	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 @ 66 psi	110	°C	ASTM D 648
DTUL @ 264 psi	98.9	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.22	%	ASTM D 570
Density	1250	kg/m ³	ASTM D 792
Moisture Content	0.02	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	3 - 6	h	-
Melt temperature	238 - 266	°C	-
Mold temperature	32.2 - 65.6	°C	-
Injection pressure	55.2 - 82.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant