

RTP 2500 FR-110

(PC+ABS)

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	42.5	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2551	MPa	ASTM D 638
Tensile Strength	55.2	MPa	ASTM D 638
Flexural Modulus	2758	MPa	ASTM D 790
Flexural Strength	86.2	MPa	ASTM D 790
Rockwell Hardness	R 122	-	ASTM D 785
Izod Impact notched, 1/8 in	641	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	96.1	°C	ASTM D 648
DTUL @ 264 psi	87.8	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1190	kg/m ³	ASTM D 792
Moisture Content	0.02	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	93.3	°C	-
Pre-drying - Time	4	h	-
Melt temperature	243 - 274	°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

Special Characteristics

Flame retardant