

RTP 1700 FR

PPO

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0075	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2413	MPa	ASTM D 638
Tensile Strength	48.3	MPa	ASTM D 638
Flexural Modulus	2275	MPa	ASTM D 790
Flexural Strength	75.8	MPa	ASTM D 790
Izod Impact notched, 1/8 in	187	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	93.3	°C	ASTM D 648
DTUL @ 264 psi	87.8	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.08	%	ASTM D 570
Density	1130	kg/m ³	ASTM D 792
Moisture Content	0.1	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	93.3	°C	-
Pre-drying - Time	2	h	-
Melt temperature	249 - 288	°C	-
Mold temperature	65.6 - 93.3	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant