

**RTP 300 HB**

PC

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	11	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.0075	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Modulus	2206	MPa	ASTM D 638
Tensile Strength	58.6	MPa	ASTM D 638
Flexural Modulus	2344	MPa	ASTM D 790
Flexural Strength	93.1	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	801	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 66 psi	138	°C	ASTM D 648
DTUL @ 264 psi	132	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.01	-	ASTM D 150
Dielectric Constant, 1 MHz	3	-	ASTM D 150
Arc Resistance	120	s	ASTM D 495

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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