

RTP 205 HB

PA66-GF30

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	9308	MPa	ASTM D 638
Tensile Strength	165	MPa	ASTM D 638
Flexural Modulus	8618	MPa	ASTM D 790
Flexural Strength	255	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	85.4	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.59	mm	-
DTUL @ 66 psi	260	°C	ASTM D 648
DTUL @ 264 psi	249	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	19.7	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.016	-	ASTM D 150
Dielectric Constant, 1 MHz	3.8	-	ASTM D 150
Other properties			
Water Absorption, 24hr	0.7	%	ASTM D 570
Density	1360	kg/m ³	ASTM D 792
Moisture Content	0.2	%	-
Processing Recommendation Injection Molding			
Pre-drying - Temperature	79.4	°C	-
Pre-drying - Time	4	h	-
Melt temperature	277 - 299	°C	-
Mold temperature	65.6 - 107	°C	-
Injection pressure	68.9 - 124	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific