

RTP 205.3 FR

PA66-GF33

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0015	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	13100	MPa	ASTM D 638
Tensile Strength	159	MPa	ASTM D 638
Flexural Modulus	11380	MPa	ASTM D 790
Flexural Strength	241	MPa	ASTM D 790
Izod Impact notched, 1/8 in	90.7	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	249	°C	ASTM D 648
DTUL @ 264 psi	232	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.6	%	ASTM D 570
Density	1690	kg/m ³	ASTM D 792
Moisture Content	0.2	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Special Characteristics

Flame retardant