

# RTP 2201 HF

Polyetheretherketone

RTP Company

## Technical Data

### Product Description

Glass Fiber - High Flow

### General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• High Flow
RoHS Compliance	• Contact Manufacturer
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.37	1.37 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (0.126 in (3.20 mm))	6.0E-3 in/in	0.60 %	ASTM D955
Moisture Content	0.10 %	0.10 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	900000 psi	6210 MPa	ASTM D638
Tensile Strength	15000 psi	103 MPa	ASTM D638
Tensile Elongation (Yield)	2.5 %	2.5 %	ASTM D638
Flexural Modulus	800000 psi	5520 MPa	ASTM D790
Flexural Strength	27000 psi	186 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.126 in (3.20 mm))	1.0 ft·lb/in	53 J/m	ASTM D256
Unnotched Izod Impact (0.126 in (3.20 mm))	7.0 ft·lb/in	370 J/m	ASTM D4812

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.0591 in (1.50 mm), ** Values per RTP Company testing.	V-0	V-0	

Additional Information	Nominal Value (English)	Nominal Value (SI)
Primary Additive	10 %	10 %

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	300 °F	149 °C
Drying Time	3.0 hr	3.0 hr
Dew Point	-20.0 °F	-28.9 °C
Processing (Melt) Temp	660 to 750 °F	349 to 399 °C
Mold Temperature	325 to 425 °F	163 to 218 °C
Injection Pressure	12000 to 18000 psi	82.7 to 124 MPa

### Injection Notes

Desiccant Type Dryer Required.