

# RTP 100

Polypropylene

RTP Company

## Technical Data

### Product Description

Unfilled

### General

RoHS Compliance • Contact Manufacturer

Processing Method • Injection Molding

### Physical

	Nominal Value Unit	Test Method
Specific Gravity	0.910 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.5 to 2.0 %	ASTM D955

### Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	1720 MPa	ASTM D638
Tensile Strength	32.4 MPa	ASTM D638
Tensile Elongation (Yield)	> 10 %	ASTM D638
Flexural Modulus	1380 MPa	ASTM D790
Flexural Strength	41.4 MPa	ASTM D790

### Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	53 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1600 J/m	ASTM D4812

### Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	107 °C	
1.8 MPa, Unannealed	54.4 °C	

### Flammability

	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.50 mm, Values per RTP Company testing.	HB	

### Injection

	Nominal Value Unit
Drying Temperature	79.4 °C
Drying Time	2.0 hr
Processing (Melt) Temp	191 to 232 °C
Mold Temperature	32.2 to 65.6 °C
Injection Pressure	68.9 to 103 MPa