

# RTP 503

Styrene Acrylonitrile

RTP Company

## Technical Data

### Product Description

Glass Fiber

### General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
RoHS Compliance	• Contact Manufacturer
Processing Method	• Injection Molding

### Physical

	Nominal Value Unit	Test Method
Density / Specific Gravity	1.21 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.35 %	ASTM D955

### Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	7580 MPa	ASTM D638
Tensile Strength	107 MPa	ASTM D638
Tensile Elongation (Yield)	1.0 to 2.0 %	ASTM D638
Flexural Modulus	7580 MPa	ASTM D790
Flexural Strength	145 MPa	ASTM D790

### Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	48 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	240 J/m	ASTM D4812

### Flammability

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

### Additional Information

	Nominal Value Unit
Primary Additive	20 %

### Injection

	Nominal Value Unit
Drying Temperature	82 °C
Drying Time	2.0 hr
Processing (Melt) Temp	238 to 279 °C
Mold Temperature	52 to 82 °C
Injection Pressure	68.9 to 103 MPa

### Injection Notes

Desiccant Type Dryer Required.

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.