

RTP 2501

Polycarbonate + ABS

RTP Company

Technical Data

Product Description

Glass Fiber

General

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.21	1.21 g/cm ³	ASTM D792
Molding Shrinkage - Flow (0.126 in (3.20 mm))	2.0E-3 to 6.0E-3 in/in	0.20 to 0.60 %	ASTM D955
Moisture Content	0.020 %	0.020 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	600000 psi	4140 MPa	ASTM D638
Tensile Strength	11500 psi	79.3 MPa	ASTM D638
Tensile Elongation (Yield)	3.0 to 5.0 %	3.0 to 5.0 %	ASTM D638
Flexural Modulus	600000 psi	4140 MPa	ASTM D790
Flexural Strength	19000 psi	131 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.126 in (3.20 mm))	2.0 ft·lb/in	110 J/m	ASTM D256
Unnotched Izod Impact (0.126 in (3.20 mm))	10 ft·lb/in	530 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.	HB	HB	

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

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	200 °F	93.3 °C
Drying Time	4.0 hr	4.0 hr
Dew Point	-20.0 °F	-28.9 °C
Processing (Melt) Temp	470 to 525 °F	243 to 274 °C
Mold Temperature	125 to 200 °F	51.7 to 93.3 °C
Injection Pressure	10000 to 15000 psi	68.9 to 103 MPa

Injection Notes

Desiccant Type Dryer Required.

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.