

RTP Compounds 601

Acrylonitrile Butadiene Styrene

RTP Company

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

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.11 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20 to 0.50 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	4140 MPa	ASTM D638
Tensile Strength	65.5 MPa	ASTM D638
Tensile Elongation (Yield)	2.0 to 4.0 %	ASTM D638
Flexural Modulus	3790 MPa	ASTM D790
Flexural Strength	96.5 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.18 mm)	80 J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	320 J/m	ASTM D4812

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

Injection	Nominal Value Unit
Drying Temperature - Desiccant Dryer	82.2 °C
Drying Time - Desiccant Dryer	2.0 hr
Dew Point - Desiccant Dryer	-17.8 °C
Suggested Max Moisture	0.10 %
Processing (Melt) Temp	204 to 238 °C
Mold Temperature	62.8 to 85.0 °C
Injection Pressure	68.9 to 103 MPa

Injection Notes
Desiccant Type Dryer Required.

Notes

¹ Typical properties: these are not to be construed as specifications.