

# RTP 600 UV

Acrylonitrile Butadiene Styrene

RTP Company

## Technical Data

### Product Description

UV Stabilized

### General

Additive	• UV Stabilizer
RoHS Compliance	• Contact Manufacturer
Processing Method	• Injection Molding

### Physical

	Nominal Value Unit	Test Method
Specific Gravity	1.06 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60 %	ASTM D955
Moisture Content	0.10 %	

### Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	2410 MPa	ASTM D638
Tensile Strength	42.7 MPa	ASTM D638
Tensile Elongation (Yield)	> 10 %	ASTM D638
Flexural Modulus	2410 MPa	ASTM D790
Flexural Strength	68.9 MPa	ASTM D790

### Impact

	Nominal Value Unit	Test Method
Notched Izod Impact (3.20 mm)	290 J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	1100 J/m	ASTM D4812

### Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	98.9 °C	ASTM D648

### Electrical

	Nominal Value Unit	Test Method
Volume Resistivity	> 1.0E+14 ohm·cm	ASTM D257

### Flammability

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

### Injection

	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	2.0 hr
Dew Point	-17.8 °C
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.