

# RTP 600 TFE 10 SI 2

Acrylonitrile Butadiene Styrene

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'  
The data for this material has not been recently verified.  
Please contact RTP Company for current information prior to specifying this grade.  
-Preliminary Product Data per RTP Co.-

General Information			
Additive	PTFE Lubricant (10%)		
	Silicone Lubricant (2%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	34.5	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	96	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	690	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	102	°C	
1.8 MPa, Unannealed	98.9	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	82.2	°C
Drying Time	2.0	hr
Suggested Max Moisture	0.10	%
Suggested Max Regrind	20	%
Rear Temperature	216 to 288	°C
Middle Temperature	216 to 288	°C
Front Temperature	216 to 288	°C
Mold Temperature	65.6 to 93.3	°C
Injection Pressure	68.9 to 138	MPa
Back Pressure	0.345	MPa

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#### Recommended distributors for this material

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