

# RTP 1386 TFE 15

Polyphenylene Sulfide

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.

General Information			
Filler / Reinforcement	Carbon Fiber,35% Filler by Weight		
Additive	PTFE Lubricant (15%)		
Features	Lubricated		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.010 to 0.050	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	29300	MPa	ASTM D638
Tensile Strength	158	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	0.70	%	ASTM D638
Flexural Modulus (Injection Molded)	22100	MPa	ASTM D790
Flexural Strength (Injection Molded)	241	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	53	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	270	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	266	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	288 to 321	°C	
Middle Temperature	288 to 321	°C	
Front Temperature	288 to 321	°C	
Mold Temperature	135 to 177	°C	

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#### Recommended distributors for this material

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