

# RTP 200 FR TFE 15

Polyamide 66

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			
Additive	PTFE lubricant		
Features	Good corrosion resistance		
	Lubrication		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.6	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3450	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	68.9	MPa	ASTM D638
--	55.2	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength			ASTM D790
--	86.2	MPa	ASTM D790
Yield	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	320	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	204	°C	ASTM D648
1.8 MPa, not annealed	93.3	°C	ASTM D648

CLTE - Flow	7.9E-5	cm/cm/°C	ASTM D696
Thermal Conductivity	0.42	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm)	V-0		UL 94

#### Additional Information

The value listed as Flammability, UL 94, was tested in accordance with RTP test standards.Mold Shrinkage, Linear-Flow, ASTM D-955, 0.25in.: 22mil/in.

Injection	Nominal Value	Unit
Rear Temperature	246 - 274	°C
Middle Temperature	246 - 274	°C
Front Temperature	246 - 274	°C
Mold Temperature	65.6 - 107	°C
Injection Pressure	68.9 - 103	MPa

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#### Recommended distributors for this material

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