

RTP 200 AR 15 TFE 5

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			
Filler / Reinforcement	Aramid fiber, 15% filler by weight		
Additive	PTFE lubricant (5%)		
Features	Good wear resistance		
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	Lubrication		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.2	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4140	MPa	ASTM D638
Tensile Strength	82.7	MPa	ASTM D638
Tensile Elongation (Break)	6.5	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Unnotched Izod Impact	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	246	°C	ASTM D648
1.8 MPa, not annealed	149	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		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.: 14mil/in. Tensile Elongation, ASTM D-638: 5-8%

Injection	Nominal Value	Unit
Rear Temperature	274 - 288	°C
Middle Temperature	274 - 288	°C
Front Temperature	274 - 288	°C
Mold Temperature	65.6 - 93.3	°C
Injection Pressure	68.9 - 138	MPa

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Recommended distributors for this material

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