

# RTP 4000 A AR 15 SI 2

Polyphthalamide

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			
Filler / Reinforcement	Aramid fiber, 15% filler by weight		
Additive	Silicone lubricant (2%)		
Features	Lubrication		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6210	MPa	ASTM D638
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Flexural Strength	152	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)	210	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Additional Information			
Mold Shrinkage, Linear-Flow, ASTM D955, 0.25in.: 7mil/in.Tensile Elongation, ASTM D638: 2-3%			
Injection	Nominal Value	Unit	
Rear Temperature	304 - 343	°C	
Middle Temperature	304 - 343	°C	
Front Temperature	304 - 343	°C	
Mold Temperature	121 - 149	°C	
Injection Pressure	68.9 - 103	MPa	

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Recommended distributors for this material

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