

RTP 4082 A

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.
Hot water mold

General Information			
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
RoHS Compliance	Contact Manufacturer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13800	MPa	ASTM D638
Tensile Strength	179	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	276	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	370	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	277	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm, RTP Tested)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	307 to 343	°C	
Middle Temperature	307 to 343	°C	
Front Temperature	307 to 343	°C	
Mold Temperature	93.3 to 149	°C	
Injection Pressure	34.5 to 103	MPa	

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Recommended distributors for this material

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