

RTP 299 X 68919 A

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	Long glass fiber, 40% filler by weight		
Additive	heat stabilizer		
Features	Good formability		
	Thermal Stability		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm, Injection Molded)	0.10 - 0.20	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	14500	MPa	ASTM D638
Tensile Strength	220	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	2.5	%	ASTM D638
Flexural Modulus (Injection Molded)	11700	MPa	ASTM D790
Flexural Strength (Injection Molded)	331	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm, Injection Molded)	270	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1200	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, Injection Molded)	232	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	HB	UL 94	
Additional Information			

The value listed as Flammability, UL 94, was tested in accordance with RTP Company methods.

Injection	Nominal Value	Unit
Rear Temperature	249 - 285	°C
Middle Temperature	249 - 285	°C
Front Temperature	249 - 285	°C
Mold Temperature	66.0 - 124	°C
Injection Pressure	34.0 - 124	MPa

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Recommended distributors for this material

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