

RTP 289 K

Polyarylamide

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	Carbon fiber reinforced material, 50% filler by weight		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.030 - 0.10	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	34500	MPa	ASTM D638
Tensile Strength	310	MPa	ASTM D638
Tensile Elongation (Yield)	0.50 - 1.0	%	ASTM D638
Flexural Modulus	31000	MPa	ASTM D790
Flexural Strength	434	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	750	J/m	ASTM D4812
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, Values per RTP Company testing.)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0 - 5.0	hr	
Processing (Melt) Temp	249 - 282	°C	
Mold Temperature	121 - 138	°C	
Injection Pressure	82.7 - 124	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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Recommended distributors for this material

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