

RTP 299 A X 92682 E

Polyamide 6

RTP Company

Message:

High Gravity Compound - Easy Molding

General Information			
Features	High density		
	Good formability		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	6.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 - 1.2	%	ASTM D955
Moisture Content	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6890	MPa	ASTM D638
Tensile Strength	48.3	MPa	ASTM D638
Tensile Elongation (Yield)	3.0 - 4.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	53	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	370	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	82.2	°C	
Drying Time	2.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	243 - 279	°C	
Mold Temperature	54.4 - 93.3	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			
Desiccant Type Dryer Required.			

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