

RTP 299 F X 125585 H

Polyamide 12

RTP Company

Message:

Flame Retardant - Halogen Free

General Information			
Features	Halogen-free		
	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	1.5 - 2.0	%	ASTM D955
Moisture Content	0.10	%	
Ignition Resistance - Aerospace Value (2.03 mm)	2.00		FAR 25.853
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength	37.9	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	68.9	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)	530	J/m	ASTM D4812
Injection	Nominal Value	Unit	
Drying Temperature	79	°C	
Drying Time	4.0	hr	
Dew Point	-40	°C	
Processing (Melt) Temp	221 - 274	°C	
Mold Temperature	66 - 104	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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