

RTP 2000 HC

Polysulfone Alloy

RTP Company

Message:

Medical Cleaner Resistant - UV Stabilized

General Information			
Additive	UV stabilizer		
Features	Detergent resistance		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 - 0.70	%	ASTM D955
Moisture Content		%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ASTM D638
Tensile Strength	46.9	MPa	ASTM D638
Tensile Elongation (Yield)	> 100	%	ASTM D638
Flexural Modulus	1590	MPa	ASTM D790
Flexural Strength	58.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	800	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	93.3	°C	ASTM D648
1.8 MPa, not annealed	79.4	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	4.0 - 6.0	hr	
Dew Point	-40.0	°C	
Processing (Melt) Temp	249 - 271	°C	
Mold Temperature	51.7 - 79.4	°C	
Injection Pressure	103 - 138	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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