

RTP 1800 A

Polycarbonate + Acrylic (PMMA)

RTP Company

Message:

Base Resin

General Information			
RoHS Compliance		Contact manufacturer	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.90	%	ASTM D955
Moisture Content	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	53.1	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	1500	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	2000	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	3.0 - 6.0	hr	
Dew Point	-17.8	°C	
Processing (Melt) Temp	238 - 266	°C	
Mold Temperature	32.2 - 65.6	°C	
Injection Pressure	55.2 - 82.7	MPa	
Injection instructions			

Desiccant Type Dryer Required.

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Recommended distributors for this material

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