

RTP 1800 A FR

Polycarbonate + Acrylic (PMMA)

RTP Company

Message:

Flame Retardant - UL94

General Information			
UL YellowCard	E84658-251490		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 - 0.80	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.22	%	ASTM D570
Moisture Content	0.020	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2280	MPa	ASTM D638
Tensile Strength	51.7	MPa	ASTM D638
Tensile Elongation (Yield)	> 10	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	1100	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	110	°C	ASTM D648
1.8 MPa, not annealed	98.9	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		UL 94
2.20 mm	5VA		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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