

RTP 3499-3 X 93110

Liquid Crystal Polymer

RTP Company

Message:

Encapsulation Grade

General Information			
RoHS Compliance		Contact manufacturer	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.84	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17200	MPa	ASTM D638
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Yield)	1.0 - 1.5	%	ASTM D638
Flexural Modulus	16500	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	240	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	279	°C	ASTM D648
1.8 MPa, not annealed	268	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	149	°C	
Drying Time	8.0	hr	
Dew Point	-28.9	°C	
Processing (Melt) Temp	332 - 366	°C	
Mold Temperature	65.6 - 121	°C	
Injection Pressure	82.7 - 124	MPa	
Injection instructions			

The key to successfully molding this material is to start mold open cycles as soon as the screw reaches its retracted position.

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Recommended distributors for this material

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