

RTP 3499-3 X 91193 A

Liquid Crystal Polymer

RTP Company

Message:

Encapsulation grade - High Dielectric Constant

General Information			
RoHS Compliance		Contact manufacturer	
Processing Method		Injection molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 - 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14500	MPa	ASTM D638
Tensile Strength	75.8	MPa	ASTM D638
Tensile Elongation (Yield)	0.80	%	ASTM D638
Flexural Modulus	13800	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	160	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	277	°C	ASTM D648
1.8 MPa, not annealed	249	°C	ASTM D648
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	4.80		ASTM D150
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	V-0		UL 94
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.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

