

RTP ESD A 3480-3

Liquid Crystal Polymer

RTP Company

Message:

Warning: The status of this material is 'Commercial: Limited Issue'
The data for this material has not been recently verified.
Please contact RTP Company for current information prior to specifying this grade.

General Information			
Features	Antistatic property		
	Good chemical resistance		
	Heat resistance, high		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.010	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	37900	MPa	ASTM D638
Tensile Strength	138	MPa	ASTM D638
Tensile Elongation (Break)	1.3	%	ASTM D638
Flexural Modulus	19300	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	530	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	266	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+10	ohms	ASTM D257
Volume Resistivity	5.0E+7	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method

Flame Rating (3.18 mm)	V-0	UL 94
Additional Information		
Volume Resistivity, ASTM D257: 1E3-1E9 ohm-cmSurface Resistivity, ASTM D257: 1E9-1E12 ohms/sq		
Injection	Nominal Value	Unit
Rear Temperature	332 - 338	°C
Middle Temperature	332 - 338	°C
Front Temperature	332 - 338	°C
Mold Temperature	65.6	°C
Injection Pressure	103 - 138	MPa

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Recommended distributors for this material

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