

PermaStat® 2501 FR A

Polycarbonate + ABS
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			
Additive	Antistatic property		
	Flame retardancy		
Features	Conductivity		
	Antistatic property		
	Good coloring		
	Mobility Low to None		
	Flame retardancy		
Uses	Computer components		
	Business equipment		
	Shell		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact manufacturer		
UL File Number	E84658		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3580	MPa	ASTM D638
Tensile Strength (Yield)	55.0	MPa	ASTM D638
Tensile Elongation (Break)	5.5	%	ASTM D638
Flexural Modulus	3580	MPa	ASTM D790
Flexural Strength (Yield)	86.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	110	J/m	ASTM D256

Unnotched Izod Impact (3.18 mm)	430	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10	ohms	ASTM D257
Volume Resistivity	1.0E+9	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm, ALL, Values per RTP Company testing.)	V-0		UL 94

Additional Information

Molding Shrinkage, ASTM D 955, 3.175mm: 3-5mm/mTensile Elongation, ASTM D 638: 4-7%Static Decay, FTMS-4046.1, Mil B-81705C: <2.0 secondsVolume Resistivity, ASTM D 257: 10000000000 - 100000000000 ohm-cmSurface Resistivity, ASTM D 257: 100000000000 - 1000000000000 ohm/sq

Injection	Nominal Value	Unit
Rear Temperature	210 - 238	°C
Middle Temperature	210 - 238	°C
Front Temperature	210 - 238	°C
Mold Temperature	66.0 - 93.0	°C
Injection Pressure	68.9 - 103	MPa

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Recommended distributors for this material

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