

PermaStat® 600.5

Acrylonitrile Butadiene Styrene

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.

PermaStat® 600 materials are ABS with a permanent anti-static additive. The products are non-migrating, independent of humidity and colorable. The products meet static decay requirements of MIL B-80705C.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 5.0% filler by weight		
Additive	Antistatic property		
Features	Antistatic property		
Uses	Conveyor		
	Calculator		
	Printing press		
	Printing machine parts		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact manufacturer		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2690	MPa	ASTM D638
Tensile Strength (Yield)	38.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength (Yield)	64.8	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)	320	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, Values per RTP Company testing.)	HB		UL 94

Additional Information

Molding Shrinkage, ASTM D 955, 3.175mm: 4-5mm/mStatic 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	216 - 288	°C
Middle Temperature	216 - 288	°C
Front Temperature	216 - 288	°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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