

# PermaStat® 1200

Thermoplastic Polyurethane Elastomer (Polyester)

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		
Features	Antistatic		
Agency Ratings	MIL B-81705C		
RoHS Compliance	Contact Manufacturer		
Appearance	Black Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.45	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	276	MPa	ASTM D638
Tensile Strength (Yield)	10.3	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	270	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	1100	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	177 to 204	°C	
Middle Temperature	177 to 204	°C	
Front Temperature	177 to 204	°C	
Mold Temperature	15.6 to 65.6	°C	
Injection Pressure	68.9 to 103	MPa	

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#### Recommended distributors for this material

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