

PermaStat® 800

POM

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0215	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1379	MPa	ASTM D 638
Tensile Strength	42.7	MPa	ASTM D 638
Flexural Modulus	1724	MPa	ASTM D 790
Flexural Strength	55.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	9.9E11	Ohm	ASTM D 257
Volume Resistivity	9.9E10	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1330	kg/m ³	ASTM D 792
Moisture Content	0.15	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	2	h	-
Melt temperature	177 - 204	°C	-
Mold temperature	82.2 - 121	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Anti-static