

ESD 800

POM

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0175	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	1724	MPa	ASTM D 638
Tensile Strength	41.4	MPa	ASTM D 638
Flexural Modulus	2068	MPa	ASTM D 790
Flexural Strength	62.1	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1E7	Ohm	ASTM D 257
Volume Resistivity	10000	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1360	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	182 - 218	°C	-
Mold temperature	79.4 - 107	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity