

RTP 1099 X 115081 E

PBT

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	3447	MPa	ASTM D 638
Tensile Strength	60.7	MPa	ASTM D 638
Flexural Modulus	3103	MPa	ASTM D 790
Flexural Strength	107	MPa	ASTM D 790

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257
Volume Resistivity	100	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1340	kg/m ³	ASTM D 792
Moisture Content	0.03	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Melt temperature	238 - 271	°C	-
Mold temperature	79.4 - 107	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific