

RTP 1099 X 91190

PBT

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	13100	MPa	ASTM D 638
Tensile Strength	89.6	MPa	ASTM D 638
Flexural Modulus	11720	MPa	ASTM D 790
Flexural Strength	148	MPa	ASTM D 790
Izod Impact notched, 1/8 in	69.4	J/m	ASTM D 256
Thermal properties			
ASTM Data			
DTUL @ 66 psi	218	°C	ASTM D 648
DTUL @ 264 psi	202	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Other properties			
Density	1790	kg/m ³	ASTM D 792
Moisture Content	0.03	%	-
Processing Recommendation Injection Molding			
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

Applications

Encapsulation