

RTP 1099 X 52742 H

PBT-(GF+MX)

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0025	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Modulus	11380	MPa	ASTM D 638
Tensile Strength	103	MPa	ASTM D 638
Flexural Modulus	10690	MPa	ASTM D 790
Flexural Strength	159	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	0.794	mm	-
DTUL @ 66 psi	218	°C	ASTM D 648
DTUL @ 264 psi	204	°C	ASTM D 648
Electrical properties			
ASTM Data			
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Other properties			
Water Absorption, 24hr	0.06	%	ASTM D 570
Density	1680	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

Special Characteristics

Flame retardant