

RTP 1108 BLK

PET-GF45

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	16550	MPa	ASTM D 638
Tensile Strength	179	MPa	ASTM D 638
Flexural Modulus	13790	MPa	ASTM D 790
Flexural Strength	265	MPa	ASTM D 790
Izod Impact notched, 1/8 in	90.7	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	227	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1680	kg/m ³	ASTM D 792
Moisture Content	0.01	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	4	h	-
Melt temperature	277 - 288	°C	-
Mold temperature	73.9 - 90.6	°C	-
Injection pressure	55.2 - 82.7	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Black