

PermaStat® 603

ABS-GF20

RTP Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	4137	MPa	ASTM D 638
Tensile Strength	48.3	MPa	ASTM D 638
Flexural Modulus	3792	MPa	ASTM D 790
Flexural Strength	68.9	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	9.9E11	Ohm	ASTM D 257
Volume Resistivity	9.9E10	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792
Moisture Content	0.1	%	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	2	h	-
Melt temperature	199 - 238	°C	-
Mold temperature	48.9 - 93.3	°C	-
Injection pressure	68.9 - 103	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Anti-static