

PTS PBT-20GFR

PBT-GF20

Amco Polymers

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	84.8	MPa	ASTM D 638
Elongation at Break	1.8	%	ASTM D 638
Flexural Modulus	6798	MPa	ASTM D 790
Flexural Strength	135	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.787	mm	-
DTUL @ 264 psi	195	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	18.1	kV/mm	ASTM D 149
Dissipation Factor, 60 Hz	0.02	-	ASTM D 150
Volume Resistivity	1E16	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1550	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 140	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	250 - 280	°C	-
Mold temperature	60 - 80	°C	-
Nozzle temperature	240	°C	-
Screw speed	100	rpm	-
Back pressure	70.3 - 120	MPa	-
Holding pressure	6 - 18	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa