

**ColorFast® PBT100**

PBT

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.019	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	51.7	MPa	ASTM D 638
Elongation at Break	200	%	ASTM D 638
Flexural Modulus	2344	MPa	ASTM D 790
Flexural Strength	82.7	MPa	ASTM D 790
Rockwell Hardness	R117	-	ASTM D 785
Izod Impact notched, 1/8 in	53.4	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 264 psi	54.4	°C	ASTM D 648
<b>Other properties</b>			
Density	1310	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	121	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	243 - 260	°C	-
Mold temperature	48.9 - 76.7	°C	-
Zone 1	232 - 249	°C	-
Zone 2	238 - 254	°C	-
Zone 3	243 - 260	°C	-
Nozzle temperature	238 - 254	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.345 - 0.689	MPa	-

**Characteristics****Processing**

Injection Molding

**Features**

Low Odor

**Delivery form**

Pellets

**Applications**

General Purpose

**Additives**

Lubricants

**Regional Availability**

North America