

ColorFast® PBA2000

(PBT+ABS)

Americhem Engineered Compounds

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	42.1	MPa	ASTM D 638
Tensile Strength at Break	39.3	MPa	ASTM D 638
Elongation at Break	13	%	ASTM D 638
Flexural Modulus	2206	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

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.3	mm	-

Other properties	Value	Unit	Test Standard
Density	1300	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	85	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	221 - 254	°C	-
Mold temperature	10 - 71.1	°C	-
Zone 1	204 - 238	°C	-
Zone 2	210 - 232	°C	-
Zone 3	221 - 254	°C	-
Nozzle temperature	216 - 249	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Features

Low Odor

Delivery form

Pellets

Regional Availability

North America

Special Characteristics

Flame retardant