

ColorFast® FRPBT200

PBT

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.019	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	58.6	MPa	ASTM D 638
Tensile Strength at Break	58.6	MPa	ASTM D 638
Elongation at Break	80	%	ASTM D 638
Flexural Modulus	2620	MPa	ASTM D 790
Flexural Strength	101	MPa	ASTM D 790
Rockwell Hardness	R120	-	ASTM D 785
Izod Impact notched, 1/8 in	37.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
DTUL @ 264 psi	71.1	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1390	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
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

Regional Availability

North America

Special Characteristics

Flame retardant