

ColorFast® FRPBT130

PBT-GX30

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0065	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	117	MPa	ASTM D 638
Tensile Strength at Break	186	MPa	ASTM D 638
Flexural Modulus	7584	MPa	ASTM D 790
Rockwell Hardness	R119	-	ASTM D 785
Izod Impact notched, 1/8 in	69.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	0.838	mm	-
DTUL @ 264 psi	204	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1450	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	254 - 277	°C	-
Mold temperature	65.6 - 87.8	°C	-
Zone 1	243 - 266	°C	-
Zone 2	249 - 271	°C	-
Zone 3	254 - 277	°C	-
Nozzle temperature	249 - 271	°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