

ColorFast® FRPA100X

(PC+ABS)

Americhem Engineered Compounds

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	60	MPa	ASTM D 638
Tensile Strength at Break	55.8	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	90	%	ASTM D 638
Flexural Modulus	2703	MPa	ASTM D 790
Flexural Strength	95.1	MPa	ASTM D 790
Rockwell Hardness	R122	-	ASTM D 785
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	95	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1190	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82.2	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	232 - 274	°C	-
Mold temperature	60 - 82.2	°C	-
Zone 1	210 - 254	°C	-
Zone 2	216 - 260	°C	-
Zone 3	227 - 274	°C	-
Nozzle temperature	232 - 274	°C	-
Screw speed	30 - 75	rpm	-
Back pressure	0.345 - 0.689	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Light stabilized or stable to light

Delivery form

Pellets

Regional Availability

North America