

ColorFast® FRPA110

Americhem - Polycarbonate + ABS

General Information

Product Description

10% glass reinforced, flame retarded Polycarbonate alloy

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Excellent Colorability	• Flame Retardant	
Uses	• Automotive Applications	• Engineering Parts	• Industrial Applications
	• Closures	• Household Goods	• Industrial Parts
	• Consumer Applications	• Housings	• Office Automation Equipment
UL File Number	• E178307		
Forms	• Pellets		
Processing Method	• Injection Molding		

 Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.25		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3 to 6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical			
Tensile Strength ² (Break)	10500	psi	ASTM D638
Tensile Elongation ² (Break)	5.0	%	ASTM D638
Flexural Modulus ²	700000	psi	ASTM D790
Flexural Strength ²	17000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	2.0	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	122		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	270	°F	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min
