

PolyAlloy® FG-0610B (FG-0610 color code FG-0610B)

PC, Glass Fiber Reinforced, Non-halogen Flame Retardant

PROPERTIES	CONDITION	VALUE	UNIT	METHOD
<u>PHYSICAL</u>				
Specific Gravity	23°C	1.27	---	ASTM D-792
Melt Flow Index	300°C/1.2kg	15	g/10min	ASTM D-1238
Mold Shrinkage	3.2mm	0.3~0.5	%	ASTM D-955
Rockwell Hardness	23°C	R-124	---	ASTM D-785
<u>MECHANICAL</u>				
Tensile Strength @ Yield	6mm/min	700	kg/cm ²	ASTM D-638
Tensile Elongation @ Break	6mm/min	4	%	ASTM D-638
Flexural Strength	1.3mm/min	1,100	kg/cm ²	ASTM D-790
Flexural Modulus	1.3mm/min	34,000	kg/cm ²	ASTM D-790
Izod Impact (1/8")	Notched, 23°C	8	kg-cm/cm	ASTM D-256
<u>THERMAL</u>				
Heat Distortion Temp. (unannealed)	120°C/hr	140	°C	ASTM D-648
Vicat Softening Temp. (unannealed)	50°C/hr	145	°C	ASTM D-1525
<u>FLAMMABILITY</u>				
Flame Rating_V0		1.5	mm	UL-94
<u>PROCESSING PARAMETERS</u>				
Drying Temperature		120	°C	
Drying Time		4	Hrs	
Barrel Temperature		280~300	°C	
Mold Temperature		70~100	°C	

All figures listed here is for reference, not guaranteed.

Final revised date : 2012/03

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