

## EG-8410

Product Description: Glass fiber reinforced polycarbonate resin, non-halogen Flame Retardant.

Properties	ISO Test Method	Test Condition	Unit	EG-8410
Melt Flow Index	1133	300°C×1.2KG	ml/10 min	10
Mass Density	1183	23 °C	g/cm <sup>3</sup>	1.27
Tensile Strength	527	50 mm/min, yield	MPa	70
		50 mm/min, break	MPa	-
Tensile Elongation	527	50 mm/min	%	4
Flexural Strength	178	2 mm/min	MPa	110
Flexural Modulus		2 mm/min	GPa	3.4
Izod Impact Strength	180/1A	23 °C, 1/8" Notched	KJ/m <sup>2</sup>	8
		-30 °C, 1/8" Notched	KJ/m <sup>2</sup>	-
Vicat Softening Temp.	306	1 Kg, 50 °C/hr	°C	-
		5 Kg, 50 °C/hr	°C	143
Heat Distortion Temp.	75/A	1.8 MPa Unannealed	°C	140
		1.8 MPa Annealed	°C	-
Flammability	-	UL-94	-	1.5mm V0
Mold Shrinkage	294-4	-	%	0.2~0.4
Symbol	1043	-	-	> PC-GF10-FR(40<

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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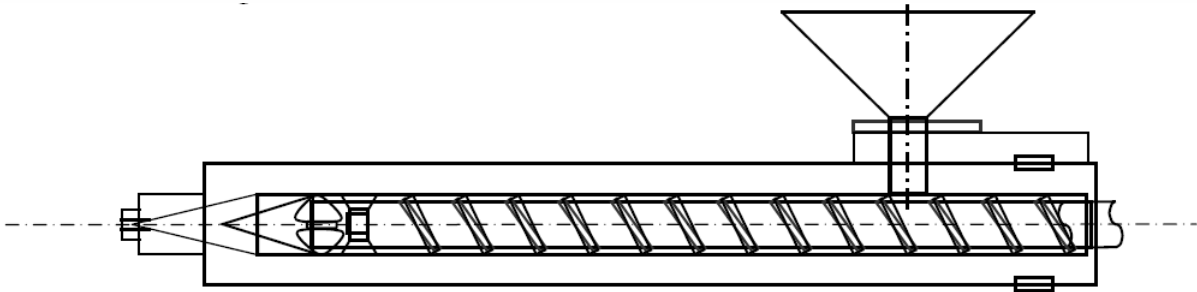
## Processing Guides

### A. Pre-drying 120 °C x 4 hrs

depending on a) Humidity

- b) Storage conditions
- c) Dryer's performance

### B. Barrel Setting Profile



machine	Nozzle	Compression zone	Feeding zone	Mold Temperature
Max.(°C)	300°C	290°C	270°C	70~120°C
Min.(°C)	270°C	260°C	250°C	

varying with a) Thickness

- b) Dimension
- c) Gate and runner system

#### NOTE :

1. Keep the resin from dust and contamination during handling and production.
2. Do not retain the hot melt at the barrel for a long time between injection cycles.

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