



奇菱科技股份有限公司

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NO.71, TE LUN RD., JEN TE HSIANG, TAINAN COUNTY 717, TAIWAN R.O.C.

PolyAlloy® FG-0110B (FG-0110 color code B)

PC, Glass Fiber Reinforced, Flame Retardant

| PROPERTIES | CONDITION | VALUE | UNIT | METHOD |
|-------------------------------------|---------------|---------|--------------------|-------------|
| <u>PHYSICAL</u> | | | | |
| Specific Gravity | 23°C | 1.25 | --- | ASTM D-792 |
| Melt Flow Index | 300°C/1.2kg | 17 | g/10min | ASTM D-1238 |
| Mold Shrinkage | 3.2mm | 3 ~ 5 | 1/1000 | ASTM D-955 |
| Rockwell Hardness | 23°C | R-122 | --- | ASTM D-785 |
| <u>MECHANICAL</u> | | | | |
| Tensile Strength @ Yield | 6mm/min | 650 | kg/cm ² | ASTM D-638 |
| Tensile Elongation @ Break | 6mm/min | 10 | % | ASTM D-638 |
| Flexural Strength | 1.3mm/min | 1000 | kg/cm ² | ASTM D-790 |
| Flexural Modulus | 1.3mm/min | 25000 | kg/cm ² | ASTM D-790 |
| Izod Impact (1/8") | Notched, 23°C | 6 | kg-cm/cm | ASTM D-256 |
| <u>THERMAL</u> | | | | |
| Heat Distortion Temp. (unannealed) | 120°C/hr | 122 | °C | ASTM D-648 |
| Vicat Softening Temp. (unannealed) | 50°C/hr | 130 | °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 | | 3~4 | Hrs | |
| Barrel Temperature | | 260~290 | °C | |
| Mold Temperature | | 80~120 | °C | |

The technical data is tested in Chilin Lab., according to ASTM. It is provided for reference.

Final revised date : 2009/11