

PBT3730FG-NH

PBT-GF30

Shanghai Kumho Sunny Plastics Co., Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|--------------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.005 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------------|-------------|------|---------------|
| ASTM Data | | | |
| Tensile Strength | 120 | MPa | ASTM D 638 |
| Elongation at Break | 2 | % | ASTM D 638 |
| Flexural Modulus | 9000 | MPa | ASTM D 790 |
| Flexural Strength | 180 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 85 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|------------|------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 66 psi | 220 | °C | ASTM D 648 |
| DTUL @ 264 psi | 210 | °C | ASTM D 648 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-----------------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | 1E15 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|---------------|
| Density | 1580 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature | 120 - 140 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.02 | % | - |
| Melt temperature | 220 - 260 | °C | - |
| Mold temperature | 50 - 80 | °C | - |
| Zone 1 | 220 - 240 | °C | - |
| Zone 2 | 230 - 250 | °C | - |
| Zone 3 | 240 - 270 | °C | - |
| Nozzle temperature | 240 - 270 | °C | - |
| Screw speed | 20 - 80 | rpm | - |
| Back pressure | 0.2 - 0.8 | MPa | - |

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant, Halogen-free, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Applications

Electrical and Electronical

Regional Availability

Asia Pacific