

PRINCCIPAL PROPERTIES

| Product Category                                 | PBT          | Grade | TLZT30G           |               |
|--|--------------|-------|-------------------|---------------|
| Standard test                                    | CB           | ASTM  | Unit              | Typical value |
| <b>Mechanical property</b>                       |              |       |                   |               |
| Tensile strength at break                        | GB/T 1040-92 | D638  | Mpa               | 115           |
| Elongation at break                              | GB/T 1040-92 | D638  | %                 | ≥2            |
| Yield flexural strength                          | GB 9341-88   | D790  | Mpa               | 180           |
| Unnotched impact strength of tube-supported beam | GB/T 1043-93 | D256  | KJ/m <sup>2</sup> | 35            |
| Notch impact strength of tube support beam       | GB/T 1043-93 | D256  | KJ/m <sup>2</sup> | 6             |
| Notched Izod Impact Strength                     | GB1843-89    | D256  | KJ/m <sup>2</sup> | 5.5           |
| Rockwell hardness                                | GB9342-88    |       |                   |               |
| <b>Thermal property</b>                          |              |       |                   |               |
| Heat distortion temperature                      | GB1643-89    | D648  | ℃                 | 210           |
| Flame retardancy                                 |              |       |                   |               |
| <b>Processing</b>                                |              |       |                   |               |
| Solution flow rate                               | GB3682-89    | D1238 | g/10min           |               |
| Molding shrinkage                                |              |       | %                 | 0.3~0.5       |
| Injection molding temperature                    |              |       | ℃                 | 220~255       |
| Density  | GB1033-86    | D792  | g/cm <sup>3</sup> | 1.47          |

Note: The above data are typical values and are for reference only.