

| Property                                      | Test Condition      | Test Method ISO | Units                  | Unreinforced       |
|-----------------------------------------------|---------------------|-----------------|------------------------|--------------------|
|                                               |                     |                 |                        | High impact        |
|                                               |                     |                 |                        | 5201X10            |
|                                               |                     |                 |                        | >PBT-I<            |
| Physical property                             |                     |                 |                        |                    |
| Water Absorption                              | 24hrs. in 23℃ water | ISO 62          | %                      | 0.08               |
| Density                                       | 23℃                 | ISO 1183        | kg/m <sup>3</sup>      | 1290               |
| Mechanical property                           |                     |                 |                        |                    |
| Tensile strength                              | 23℃                 | ISO 527-1,2     | MPa                    | 50                 |
| Elongation at Break                           | 23℃                 | ISO 527-1,2     | %                      | 50                 |
| Tensile Modulus                               | 23℃                 | ISO 527-1,2     | GPa                    | 2.6                |
| Flexural Strength                             | 23℃                 | ISO 178         | MPa                    | 80                 |
| Flexural Modulus                              | 23℃                 | ISO 178         | GPa                    | 2.4                |
| Coefficient of friction (Without lubrication) | Vs metal            | Suzuki Method   | -                      | -                  |
| Coefficient of friction                       | Vs metal            | -               | -                      | -                  |
| Rockwell Hardness                             | 23℃                 | ISO 2039-2      | R Scale                | M70                |
| Charpy Impact Strength (V-notched)            | 23℃                 | ISO 179         | kJ/m <sup>2</sup>      | 6.2                |
| Charpy Impact Strength (Unnotched)            | 23℃                 | ISO 179         | kJ/m <sup>2</sup>      | 290                |
| Heat property                                 |                     |                 |                        |                    |
| Coef of Linear Thermal Expansion              | -30~100℃            | ISO 11359-2     | ×10 <sup>-5</sup> /℃   | 14                 |
| Heat Deflection Temp Low Load                 | 0.45MPa             | ISO 75-1,2      | ℃                      | 150                |
| Heat Deflection Temp High Load                | 1.82MPa             | ISO 75-1,2      | ℃                      | 55                 |
| Flammability                                  |                     | UL94            | rank/thickness m<br>mt | HB(1/32")          |
| Electrical property                           |                     |                 |                        |                    |
| Volume Resistivity                            |                     | IEC 60093       | Ω · m                  | 4×10 <sup>14</sup> |
| Dielectric Strength                           |                     | IEC 60243-1     | MV/m                   | 19                 |
| Dielectric Constant                           | 23℃、60% RH、50Hz     | IEC 60250       | -                      | 3.4                |
| Dielectric Constant                           | 23℃、60% RH、1KHz     | IEC 60250       | -                      | 3.5                |
| Dissipation Factor                            | 23℃、60% RH、50Hz     | IEC 60250       | -                      | 0.002              |
| Dissipation Factor                            | 23℃、60% RH、1MHz     | IEC 60250       | -                      | 0.02               |
| Arc resistance                                | W electrode         | IEC 60950       | sec                    | 130                |
| Molding property                              |                     |                 |                        |                    |
| Mold shrinkage(Machine Direction)             | 80×80×3mm t         | Toray Method    | %                      | 2                  |
| Mold shrinkage(Transverse Direction)          | 80×80×3mm t         | Toray Method    | %                      | 2.5                |
| Bar Flow                                      | 250℃,93MPa,1mm t    | Toray Method    | ×10 <sup>-3</sup> m    | 87                 |

These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.