

| Property | Test Condition | Test Method ISO | Units | Unreinforced | |
|---|----------------------|-----------------|------------------------|--------------------|--|
| | | | | High impact | |
| | | | | 5201X10 | |
| | | | | >PBT-I< | |
| Physical property | | | | | |
| Water Absorption | 24hrs. in 23°C water | ISO62 | % | 0.08 | |
| Density | 23°C | ISO1183 | kg/m ³ | 1290 | |
| Mechanical property | | | | | |
| Tensile strength | 23°C | ISO527-1,2 | MPa | 50 | |
| Elongation at Break | 23°C | ISO527-1,2 | % | 50 | |
| Tensile Modulus | 23°C | ISO527-1,2 | GPa | 2.6 | |
| Flexural Strength | 23°C | ISO178 | MPa | 80 | |
| Flexural Modulus | 23°C | ISO178 | GPa | 2.4 | |
| Coefficient of friction (Without lubrication) | Vs metal | Suzuki Method | - | - | |
| Coefficient of friction | Vs metal | - | - | - | |
| Rockwell Hardness | 23°C | ISO2039-2 | R Scale | M70 | |
| Charpy Impact Strength (V-notched) | 23°C | ISO179 | kJ/m ² | 6.2 | |
| Charpy Impact Strength (Unnotched) | 23°C | ISO179 | kJ/m ² | 290 | |
| Heat property | | | | | |
| Coef of Linear Thermal Expansion | -30~100°C | ISO11359-2 | ×10 ⁻⁵ /°C | 14 | |
| Heat Deflection Temp Low Load | 0.45MPa | ISO75-1,2 | °C | 150 | |
| Heat Deflection Temp High Load | 1.82MPa | ISO75-1,2 | °C | 55 | |
| Flammability | | UL94 | rank/thickness m mt | HB(1/32") | |
| Electrical property | | | | | |
| Volume Resistivity | | IEC60093 | Ω · m | 4×10 ¹⁴ | |
| Dielectric Strength | | IEC60243-1 | MV/m | 19 | |
| Dielectric Constant | 23°C, 60%RH, 50Hz | IEC 60250 | - | 3.4 | |
| Dielectric Constant | 23°C, 60%RH, 1KHz | IEC 60250 | - | 3.5 | |
| Dissipation Factor | 23°C, 60%RH, 50Hz | IEC 60250 | - | 0.002 | |
| Dissipation Factor | 23°C, 60%RH, 1MHz | IEC 60250 | - | 0.02 | |
| Arc resistance | W electrode | IEC60950 | sec | 130 | |
| Molding property | | | | | |
| Mold shrinkage(Machine Direction) | 80×80×3mmt | Toray Method | % | 2 | |
| Mold shrinkage(Transverse Direction) | 80×80×3mmt | Toray Method | % | 2.5 | |
| Bar Flow | 250°C,93MPa,1mmt | Toray Method | ×10 ⁻³ m | 87 | |

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

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