TECHNICAL DATASHEET

# TRIBIT® 1500A15

PBT

| PROPERTY | UNIT | ASTM METHOD | TYPICAL DATA |
|---|---|---|---|
| **PHYSICAL** | | | |
| Specific Gravity | - | D792 | 1.32 |
| Water Absorption (24 hours at 23℃) | % | D570 | 0.1 |
| Melt Flow Rate (270℃, 2.16kg) | g/10min | D1238 | 65 |
| **MECHANICAL** | | | |
| Tensile Strength at yield | $kg_f/㎠$ | D638 | 500 |
| Tensile Elongation at break | % | D638 | 2 |
| Flexural Strength at yield | $kg_f/㎠$ | D790 | 850 |
| Flexural Modulus | $kg_f/㎠$ | D790 | 60,000 |
| Izod Impact Strength, notched, 23℃ (1/8") | $kg_f·㎝/㎝$ | D256 | 3 |
| **THERMAL** | | | |
| Coefficient of Linear Thermal Expansion | ㎜/㎜/℃ | D696 | 3 x 10-5 |
| **ELECTRICAL** | | | |
| Volume Resistivity | Ω·㎝ | D257 | 1E+16 |
| Dielectric Strength | kV/㎜ | D149 | 21 |
| Dielectric Constant | - | D150 | 3.2 |
| Dissipation Factor | - | D150 | 0.02 |
| ARC Resistance | sec | D495 | 150 |
| **OTHERS** | | | |
| Mold Shrinkage (3mm thickness) | % | D955 | 0.2~1.2 |

※ The figures listed in this table are typical values obtained under the standard test methods and may not be applicable for products that are under different application condition.