

## TECHNICAL DATASHEET

**TRIBIT<sup>®</sup> 1551GN15**

PBT

| PROPERTY                                   | UNIT                             | ASTM METHOD | TYPICAL DATA |
|--------------------------------------------|----------------------------------|-------------|--------------|
| <b>PHYSICAL</b>                            |                                  |             |              |
| Specific Gravity                           | -                                | D792        | 1.51         |
| Water Absorption (24 hours at 23°C)        | %                                | D570        | 0.08         |
| Melt Flow Rate (235°C, 5kg)                | g/10min                          | D1238       | 70           |
| <b>MECHANICAL</b>                          |                                  |             |              |
| Tensile Strength at yield                  | kg <sub>f</sub> /cm <sup>2</sup> | D638        | 900          |
| Tensile Elongation at break                | %                                | D638        | 3            |
| Flexural Strength at yield                 | kg <sub>f</sub> /cm <sup>2</sup> | D790        | 1,300        |
| Flexural Modulus                           | kg <sub>f</sub> /cm <sup>2</sup> | D790        | 53,000       |
| Izod Impact Strength, notched, 23°C (1/8") | kg <sub>f</sub> ·cm/cm           | D256        | 4            |
| Rockwell Hardness                          | R scale                          | D785        | 120          |
| <b>THERMAL</b>                             |                                  |             |              |
| HDT, 18.6 kgf/cm <sup>2</sup>              | °C                               | D648        | 202          |
| <b>ELECTRICAL</b>                          |                                  |             |              |
| Volume Resistivity                         | Ω·cm                             | D257        | 10의 16승      |
| Dielectric Strength                        | kV/mm                            | D149        | 20           |
| Dielectric Constant                        | -                                | D150        | 3.1          |
| Dissipation Factor                         | -                                | D150        | 0.02         |
| ARC Resistance                             | sec                              | D495        | 120          |
| <b>OTHERS</b>                              |                                  |             |              |
| UL-94 Flammability                         | -                                | (UL 94)     | 0.71mm V0    |

※ 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.