

**GLAMIDE® T-400G15**

PA6-GF15

Toyobo Co., Ltd.

| Processing/Physical Characteristics | Value | Unit    | Test Standard |
|-------------------------------------|-------|---------|---------------|
| <b>ASTM Data</b>                    |       |         |               |
| Melt Flow Index, MFI                | 25    | g/10min | ASTM D 1238   |
| Mold Shrinkage, MD                  | 0.006 | mm/mm   | ASTM D 955    |

| Mechanical properties                | dry / cond  | Unit | Test Standard |
|--------------------------------------|-------------|------|---------------|
| <b>ASTM Data</b>                     |             |      |               |
| Tensile Strength                     | 120 / 60    | MPa  | ASTM D 638    |
| Compressive Strength                 | 110 / -     | MPa  | ASTM D 695    |
| Flexural Modulus                     | 5400 / 2700 | MPa  | ASTM D 790    |
| Flexural Strength                    | 170 / 80    | MPa  | ASTM D 790    |
| Rockwell Hardness                    | R 118 /     | -    | ASTM D 785    |
| Izod Impact notched, 1/8 in          | 64 / 80     | J/m  | ASTM D 256    |
| Izod Impact notched, Low-Temperature | 45 / 55     | J/m  | ASTM D 256    |
| Temperature                          | -40         | °C   | -             |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| <b>ASTM Data</b>   |       |      |               |
| UL 94 Flame rating | HB    | -    | UL 94         |
| DTUL @ 66 psi      | 217   | °C   | ASTM D 648    |
| DTUL @ 264 psi     | 178   | °C   | ASTM D 648    |

| Electrical properties           | dry / cond  | Unit   | Test Standard |
|---------------------------------|-------------|--------|---------------|
| <b>ISO Data</b>                 |             |        |               |
| Comparative tracking index      | 550 / 550   | -      | IEC 60112     |
| <b>ASTM Data</b>                |             |        |               |
| Dielectric Strength, Short Time | 23 / 17     | kV/mm  | ASTM D 149    |
| Volume Resistivity              | 1E15 / 1E12 | Ohm*cm | ASTM D 257    |
| Arc Resistance                  | 110 / 90    | s      | ASTM D 495    |

| Other properties              | Value | Unit              | Test Standard |
|-------------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr        | 1.4   | %                 | ASTM D 570    |
| Water Absorption, Equilibrium | 3     | %                 | ASTM D 570    |
| Density                       | 1250  | kg/m <sup>3</sup> | ASTM D 792    |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 80 - 120  | °C   | -             |
| Pre-drying - Time                           | 3 - 5     | h    | -             |
| Melt temperature                            | 260 - 280 | °C   | -             |
| Mold temperature                            | 60        | °C   | -             |
| Injection pressure                          | 30 - 55   | MPa  | -             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific