

Sogun[®] B3G30ST

Product Information

Nylon Excellent toughness, low temperature impact resistance and strength.

| Properties | Test Method | Unit | Value |
|-------------------------------------|----------------|-------------------|-----------|
| Mechanical Properties | | | dry/cond. |
| Tensile modulus | ISO 527-1/-2 | MPa | 8000/5000 |
| Stress at break | ISO 527-1/-2 | MPa | 160/100 |
| Strain at break | ISO 527-1/-2 | % | 5/8 |
| Flexural modulus | ISO 178 | MPa | 7000/4000 |
| Flexural strength | ISO 178 | MPa | 180/100 |
| Izod notched impact strength, +23°C | ISO 180/1A | KJ/m ² | 15/25 |
| Izod notched impact strength, -30°C | ISO 180/1A | KJ/m ² | 10/10 |
| Thermal Properties | | | |
| HDT 1.8MPa | ISO 75 | °C | 200 |
| HDT 0.45MPa | ISO 75 | °C | 220 |
| Maximum temperature, short cycle | – | °C | 190 |
| Flame resistant, 1.5mm | UL 94 | Class | HB |
| Electrical Properties | | | dry/cond. |
| Relative permittivity, 1MHz | IEC 62631-2-1 | – | 3.8/6.5 |
| Volume resistivity | IEC 62631-3-1 | Ohm.m | 1E13/1E10 |
| Surface resistivity | IEC 62631-3-2 | Ohm | 1E12/1E10 |
| Other Properties | | | |
| Density | ISO 1183 | g/cm ³ | 1.34 |
| Humidity absorption, 2mm | Sim. to ISO 62 | % | 1.8 - 2.2 |
| Molding shrinkage | ISO 2577 | % | 0.5 |
| Processing | | | |
| Drying temperature | 4hr | °C | 80 |
| Melt temperature | – | °C | 260 - 280 |
| Mould temperature | – | °C | 70 - 90 |

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Sogun[®] provided information about the product, whether data, advice or other information, are researched and trustworthy. Since there are many influencing factors in the production process, it is recommended that users test themselves before production. Standard values are only symbolic and should not be construed as binding specifications.