

Solon[®] A3G15V0M

Product Information

Nylon excellent heat resistance, halogen-free, flame retardant UL94 V-0.

| Properties | Test method | Unit | Value |
|------------------------------------|-------------|-------------------|---------|
| Mechanical Properties | | | |
| Tensile Modulus | ISO 527 | MPa | 6500 |
| Stress at Break | ISO 527 | MPa | 120 |
| Strain at Break | ISO 527 | % | 3 |
| Flexural Modulus | ISO 178 | MPa | 6500 |
| Flexural Strength | ISO 178 | MPa | 160 |
| Izod Notched Impact Strength +23°C | ISO 180/1A | KJ/m ² | 8 |
| Ball Hardness | ISO 2039-1 | MPa | 160 |
| Thermal Properties | | | |
| HDT 1.8MPa | ISO 75 | °C | 250 |
| HDT 0.45MPa | ISO 75 | °C | 250 |
| Maximum Temperature (Short Cycle) | – | °C | 220 |
| Flame Resistant, 0.8mm | UL 94 | Class | V-0 |
| Electrical Properties | | | |
| Relative Permittivity, 1MHz | IEC 60250 | – | 3.8 |
| Volume Resistivity | IEC 60093 | Ω•cm | 1E13 |
| Surface Resistivity | IEC 60093 | Ω | 1E13 |
| Other Properties | | | |
| Density | ISO 1183-1 | g/cm ³ | 1.35 |
| Water Absorption | – | % | 1.4~1.8 |
| Molding Shrinkage | – | % | 0.55 |
| Processing | | | |
| Drying Temperature | 4hr | °C | 80~100 |
| Melt Temperature | – | °C | 270~290 |
| Mould Temperature | – | °C | 70~90 |

26/08/2008

Sogun[®] provided information about the product, regardless of the data, recommendations or other information, is supported by research, trustworthy. Since there are many factors in the production process, it is recommended that automatically detects the user before production. Standard values are indicative only and are not to be construed as binding norms.