

NIRETAN B F30 AE/V0

PA6-GF30

Soredi S.p.a.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------------|-------------------|----------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.0045 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| | dry / cond | Unit | Test Standard |
| ASTM Data | | | |
| Tensile Strength at Break | 140 / - | MPa | ASTM D 638 |
| Flexural Modulus | 8500 / - | MPa | ASTM D 790 |
| Flexural Strength | 180 / - | MPa | ASTM D 790 |
| Rockwell Hardness | R 115 / | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 86.5 / - | J/m | ASTM D 256 |
| Izod Impact notched, Low-Temperature | 67.3 / - | J/m | ASTM D 256 |
| Temperature | -20 | °C | - |
| Thermal properties | | | |
| | dry / cond | Unit | Test Standard |
| ISO Data | | | |
| Coeff. of linear therm. expansion, normal | 40 / * | E-6/K | ISO 11359-1/-2 |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.6 | mm | - |
| DTUL @ 264 psi | 205 | °C | ASTM D 648 |
| Melting Temperature | 220 | °C | ASTM D 3418 |
| Electrical properties | | | |
| | dry / cond | Unit | Test Standard |
| ISO Data | | | |
| Relative permittivity, 1MHz | 3.8 / 4.2 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 200 / 1200 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 1E13 / 1E10 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 1E13 | Ohm | IEC 62631-3-2 |
| Electric strength | 34 / 24 | kV/mm | IEC 60243-1 |
| Other properties | | | |
| | Value | Unit | Test Standard |
| Water Absorption, 24hr | 6 | % | ASTM D 570 |
| Density | 1550 | kg/m ³ | ASTM D 792 |

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

Europe