Property Data

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# Pocan® BF2302Z

*Arnite® T06 200 SNF*

## PBT FR(17)

*Flame Retardant, High Flow*

Print Date: 2026-04-09

| PROPERTIES | TYPICAL DATA | UNIT | TEST METHOD |
|---|---|---|---|
| **RHEOLOGICAL PROPERTIES** | **VALUE** | | |
| Melt volume-flow rate (MVR) | 5 | cm³/10min | ISO 1133 |
| Temperature | 250 | °C | ISO 1133 |
| Load | 2.16 | kg | ISO 1133 |
| Molding shrinkage (normal) | 2 | % | ISO 294-4 |
| Molding shrinkage (parallel) | 2.3 | % | ISO 294-4 |
| **MECHANICAL PROPERTIES** | **VALUE** | | |
| Tensile modulus | 2600 | MPa | ISO 527-1/-2 |
| Yield stress | 50 | MPa | ISO 527-1/-2 |
| Yield strain | 4.5 | % | ISO 527-1/-2 |
| Stress at break | 45 | MPa | ISO 527-1/-2 |
| Strain at break | 13 | % | ISO 527-1/-2 |
| Flexural modulus | 2400 | MPa | ISO 178 |
| Flexural strength | 75 | MPa | ISO 178 |
| Charpy impact strength (+23°C) | N | kJ/m² | ISO 179/1eU |
| Charpy impact strength (-30°C) | 150 | kJ/m² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | 9 | kJ/m² | ISO 179/1eA |
| Charpy notched impact strength (-30°C) | 6 | kJ/m² | ISO 179/1eA |
| **THERMAL PROPERTIES** | **VALUE** | | |
| Melting temperature (10°C/min) | 225 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 60 | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 140 | °C | ISO 75-1/-2 |

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| Coeff. of linear therm. expansion (parallel) | 0.9 | E-4/°C | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion (normal) | 0.9 | E-4/°C | ISO 11359-1/-2 |
| Burning Behav. at 0.75 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 0.75 | mm | IEC 60695-11-10 |
| Burning Behav. at 1.5 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | IEC 60695-11-10 |
| Burning Behav. at 3.0 mm nom. thickn. | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 3 | mm | IEC 60695-11-10 |
| Glow Wire Flammability Index GWFI | 960 | °C | IEC 60695-2-12 |
| GWFI (Thickness (1) tested) | 1.5 | mm | IEC 60695-2-12 |
| Glow Wire Flammability Index GWFI | 960 | °C | IEC 60695-2-12 |
| GWFI (Thickness (2) tested) | 0.75 | mm | IEC 60695-2-12 |
| Glow Wire Ignition Temperature GWIT | 675 | °C | IEC 60695-2-13 |
| GWIT (Thickness (1) tested) | 1.5 | mm | IEC 60695-2-13 |
| Glow Wire Ignition Temperature GWIT | 900 | °C | IEC 60695-2-13 |
| GWIT (Thickness (2) tested) | 0.75 | mm | IEC 60695-2-13 |

| ELECTRICAL PROPERTIES | VALUE | | |
|---|---|---|---|
| Relative permittivity (100Hz) | 3.4 | - | IEC 62631-2-1 |
| Relative permittivity (1 MHz) | 3.2 | - | IEC 62631-2-1 |
| Dissipation factor (100 Hz) | 30 | E-4 | IEC 62631-2-1 |
| Dissipation factor (1 MHz) | 220 | E-4 | IEC 62631-2-1 |
| Volume resistivity | >1E13 | Ohm*m | IEC 62631-3-1 |
| Comparative tracking index | 600 | V | IEC 60112 |
| Comparative tracking index (PLC) | 0 | class | UL 746A |

| OTHER PROPERTIES | VALUE | | |
|---|---|---|---|
| Water absorption | 0.45 | % | Sim. to ISO 62 |
| Humidity absorption | 0.18 | % | Sim. to ISO 62 |

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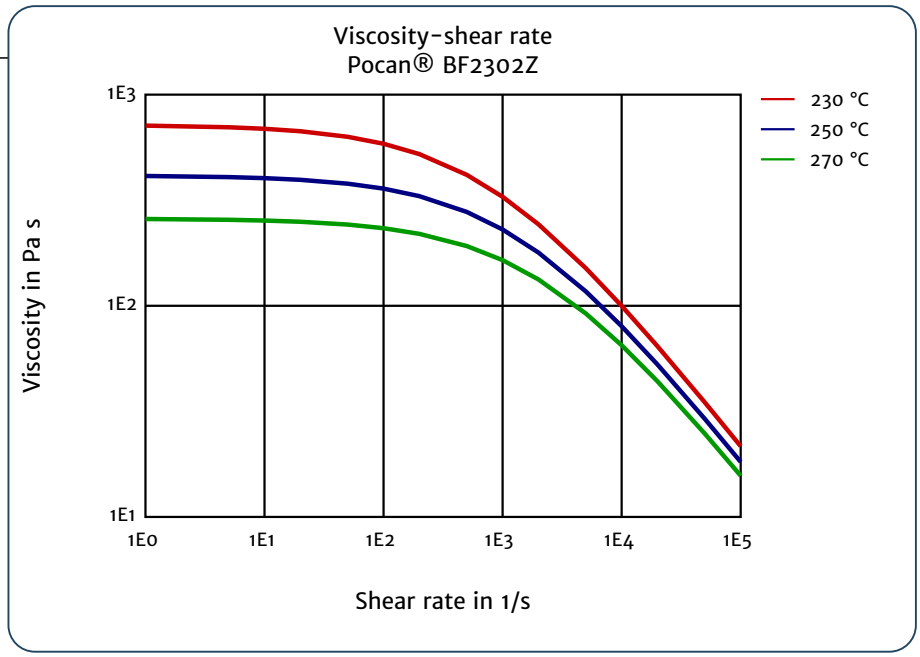
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| Density | 1400 | kg/m³ | ISO 1183 |

## Viscosity-shear rate




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