

Pocan<sup>®</sup> B3215XF 000000

PBT–GF10

10% Glass Reinforced, Injection Molding, Improved flow, Improved Impact

Print Date: 2024–04–27

| PROPERTIES                                | TYPICAL DATA | UNIT      | TEST METHOD    |
|-------------------------------------------|--------------|-----------|----------------|
| RHEOLOGICAL PROPERTIES                    |              | VALUE     |                |
| Melt volume–flow rate                     | 32           | cm³/10min | ISO 1133       |
| Temperature                               | 260          | °C        | ISO 1133       |
| Load                                      | 2.16         | kg        | ISO 1133       |
| Molding shrinkage (normal)                | 1.1          | %         | ISO 294–4      |
| Molding shrinkage (parallel)              | 0.9          | %         | ISO 294–4      |
| MECHANICAL PROPERTIES                     |              | VALUE     |                |
| Tensile modulus                           | 4350         | MPa       | ISO 527–1/–2   |
| Stress at break                           | 80           | MPa       | ISO 527–1/–2   |
| Strain at break                           | 4            | %         | ISO 527–1/–2   |
| Flexural modulus                          | 4250         | MPa       | ISO 178        |
| Flexural strength                         | 135          | MPa       | ISO 178        |
| Flexural strain at flexural strength      | 4.8          | %         | ISO 178–A      |
| Charpy impact strength (+23°C)            | 40           | kJ/m²     | ISO 179/1eU    |
| Charpy impact strength (–30°C)            | 30           | kJ/m²     | ISO 179/1eU    |
| Charpy notched impact strength (+23°C)    |              | kJ/m²     | ISO 179/1eA    |
| Charpy notched impact strength (–30°C)    |              | kJ/m²     | ISO 179/1eA    |
| Izod impact strength (+23°C)              | 30           | kJ/m²     | ISO 180/1U     |
| Izod impact strength (–30°C)              | 25           | kJ/m²     | ISO 180–1U     |
| THERMAL PROPERTIES                        |              | VALUE     |                |
| Melting temperature (10°C/min)            | 225          | °C        | ISO 11357–1/–3 |
| Temp. of deflection under load (1.80 MPa) | 185          | °C        | ISO 75–1/–2    |

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Property Data

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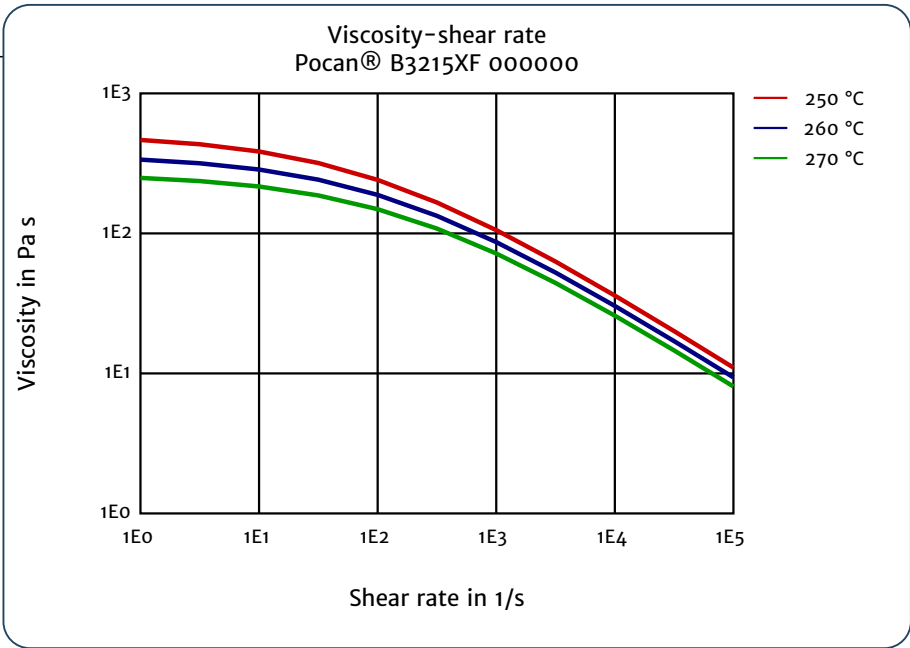
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| PROPERTIES                                   | TYPICAL DATA | UNIT   | TEST METHOD     |
|----------------------------------------------|--------------|--------|-----------------|
| Temp. of deflection under load (0.45 MPa)    | 215          | °C     | ISO 75-1/-2     |
| Coeff. of linear therm. expansion (parallel) | 0.6          | E-4/°C | ISO 11359-1/-2  |
| Coeff. of linear therm. expansion (normal)   | 1.4          | E-4/°C | ISO 11359-1/-2  |
| Burning Behav. at 0.75 mm nom. thickn.       | HB           | class  | IEC 60695-11-10 |
| Thickness tested                             | 0.75         | mm     | IEC 60695-11-10 |

| ELECTRICAL PROPERTIES      | VALUE |   |           |
|----------------------------|-------|---|-----------|
| Comparative tracking index | 350   | V | IEC 60112 |

| OTHER PROPERTIES | VALUE |       |          |
|------------------|-------|-------|----------|
| Density          | 1350  | kg/m³ | ISO 1183 |

Viscosity-shear rate



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