

# Pocan<sup>®</sup> B3235E

## PBT–GF30

30% Glass Reinforced, Injection Molding, Improved flow

| PROPERTIES                                | TYPICAL DATA | UNIT                   | TEST METHOD    |
|-------------------------------------------|--------------|------------------------|----------------|
| <b>RHEOLOGICAL PROPERTIES</b>             | <b>VALUE</b> |                        |                |
| Melt volume–flow rate                     | 25           | cm <sup>3</sup> /10min | ISO 1133       |
| Temperature                               | 260          | °C                     | ISO 1133       |
| Load                                      | 2.16         | kg                     | ISO 1133       |
| <b>MECHANICAL PROPERTIES</b>              | <b>VALUE</b> |                        |                |
| Tensile modulus                           | 9800         | MPa                    | ISO 527–1/–2   |
| Stress at break                           | 120          | MPa                    | ISO 527–1/–2   |
| Strain at break                           | 2.6          | %                      | ISO 527–1/–2   |
| Flexural modulus                          | 9000         | MPa                    | ISO 178        |
| Flexural strength                         | 195          | MPa                    | ISO 178        |
| Flexural strain at flexural strength      | 3            | %                      | ISO 178–A      |
| <b>THERMAL PROPERTIES</b>                 | <b>VALUE</b> |                        |                |
| Melting temperature (10°C/min)            | 225          | °C                     | ISO 11357–1/–3 |
| Temp. of deflection under load (1.80 MPa) | 207          | °C                     | ISO 75–1/–2    |
| <b>ELECTRICAL PROPERTIES</b>              | <b>VALUE</b> |                        |                |
| Comparative tracking index                | 600          | V                      | IEC 60112      |
| <b>OTHER PROPERTIES</b>                   | <b>VALUE</b> |                        |                |
| Density                                   | 1530         | kg/m <sup>3</sup>      | ISO 1183       |
| <b>PROCESSING RECOMMENDATIONS</b>         | <b>VALUE</b> |                        |                |

Property Data

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| PROPERTIES                               | TYPICAL DATA | UNIT | TEST METHOD          |
|------------------------------------------|--------------|------|----------------------|
| Drying temperature circulating air dryer | 120          | °C   |                      |
| Drying time circulating air dryer        | 4–8          | h    |                      |
| Residual moisture content                | 0.00–0.02    | %    | acc. to Karl Fischer |
| Melt temperature (Tmin – Tmax)           | 250–270      | °C   |                      |
| Mold temperature                         | 80–100       | °C   |                      |