

# Pocan<sup>®</sup> T3230 RC X-MB

## (PBT+PET)–GF30

| PROPERTIES                                   | TYPICAL DATA | UNIT                   | TEST METHOD    |
|----------------------------------------------|--------------|------------------------|----------------|
| <b>RHEOLOGICAL PROPERTIES</b>                |              |                        |                |
|                                              | VALUE        |                        |                |
| Melt volume–flow rate                        | 30           | cm <sup>3</sup> /10min | ISO 1133       |
| Temperature                                  | 260          | °C                     | ISO 1133       |
| Load                                         | 5            | kg                     | ISO 1133       |
| Molding shrinkage (normal)                   | 0.9          | %                      | ISO 294–4      |
| Molding shrinkage (parallel)                 | 0.3          | %                      | ISO 294–4      |
| <b>MECHANICAL PROPERTIES</b>                 |              |                        |                |
|                                              | VALUE        |                        |                |
| Tensile modulus                              | 10400        | MPa                    | ISO 527–1/–2   |
| Stress at break                              | 145          | MPa                    | ISO 527–1/–2   |
| Strain at break                              | 2.8          | %                      | ISO 527–1/–2   |
| Flexural modulus                             | 10300        | MPa                    | ISO 178        |
| Flexural strength                            | 230          | MPa                    | ISO 178        |
| Flexural strain at flexural strength         | 3            | %                      | ISO 178–A      |
| Charpy impact strength (+23°C)               | 65           | kJ/m <sup>2</sup>      | ISO 179/1eU    |
| Charpy impact strength (–30°C)               | 55           | kJ/m <sup>2</sup>      | ISO 179/1eU    |
| Izod impact strength (+23°C)                 | 55           | kJ/m <sup>2</sup>      | ISO 180/1U     |
| Izod impact strength (–30°C)                 | 55           | kJ/m <sup>2</sup>      | ISO 180–1U     |
| <b>THERMAL PROPERTIES</b>                    |              |                        |                |
|                                              | VALUE        |                        |                |
| Temp. of deflection under load (1.80 MPa)    | 200          | °C                     | ISO 75–1/–2    |
| Temp. of deflection under load (0.45 MPa)    | 220          | °C                     | ISO 75–1/–2    |
| Coeff. of linear therm. expansion (parallel) | 0.3          | E–4/°C                 | ISO 11359–1/–2 |

Property Data

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| Coeff. of linear therm. expansion (normal) | 0.9          | E–4/°C | ISO 11359–1/–2       |
| <b>ELECTRICAL PROPERTIES</b>               |              |        |                      |
|                                            | VALUE        |        |                      |
| Comparative tracking index                 | 250          | V      | IEC 60112            |
| <b>OTHER PROPERTIES</b>                    |              |        |                      |
|                                            | VALUE        |        |                      |
| Water absorption                           | 0.3          | %      | Sim. to ISO 62       |
| Humidity absorption                        | 0.1          | %      | Sim. to ISO 62       |
| Density                                    | 1550         | kg/m³  | ISO 1183             |
| <b>PROCESSING RECOMMENDATIONS</b>          |              |        |                      |
|                                            | VALUE        |        |                      |
| 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)             | 260–280      | °C     |                      |
| Mold temperature                           | 80–100       | °C     |                      |