

# Akulon® K224-G2/A

## PA6-GF10

10% Glass Reinforced, Injection Molding

| Properties                                   | Typical Data      | Unit              | Test Method    |
|----------------------------------------------|-------------------|-------------------|----------------|
| <b>Rheological properties</b>                | <b>dry / cond</b> |                   |                |
| Molding shrinkage (parallel)                 | 0.4 / *           | %                 | ISO 294-4      |
| Molding shrinkage (normal)                   | 1.3 / *           | %                 | ISO 294-4      |
| <b>Mechanical properties</b>                 | <b>dry / cond</b> |                   |                |
| Stress at break                              | 105 / -           | MPa               | ISO 527-1/-2   |
| Strain at break                              | 3.5 / -           | %                 | ISO 527-1/-2   |
| Flexural modulus                             | 4000 / -          | MPa               | ISO 178        |
| Flexural strength                            | 165 / -           | MPa               | ISO 178        |
| Charpy impact strength (+23°C)               | 5 / -             | kJ/m <sup>2</sup> | ISO 179/1eU    |
| <b>Thermal properties</b>                    | <b>dry / cond</b> |                   |                |
| Melting temperature (10°C/min)               | 220 / *           | °C                | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa)    | 189 / *           | °C                | ISO 75-1/-2    |
| Temp. of deflection under load (0.45 MPa)    | 215 / *           | °C                | ISO 75-1/-2    |
| Coeff. of linear therm. expansion (parallel) | 0.4 / *           | E-4/°C            | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion (normal)   | 0.7 / *           | E-4/°C            | ISO 11359-1/-2 |
| <b>Other properties</b>                      | <b>dry / cond</b> |                   |                |
| Humidity absorption                          | 2.5 / *           | %                 | Sim. to ISO 62 |
| Density                                      | 1200 / -          | kg/m <sup>3</sup> | ISO 1183       |

