

# Akulon<sup>®</sup> N24–G3

## PA6–GF15

15% Glass Reinforced

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| PROPERTIES                                | TYPICAL DATA | UNIT       | TEST METHOD    |
|-------------------------------------------|--------------|------------|----------------|
| RHEOLOGICAL PROPERTIES                    |              | DRY / COND |                |
| Molding shrinkage (parallel)              | 0.5 / *      | %          | ISO 294–4      |
| Molding shrinkage (normal)                | 0.9 / *      | %          | ISO 294–4      |
| MECHANICAL PROPERTIES                     |              | DRY / COND |                |
| Tensile modulus                           | 6150 / –     | MPa        | ISO 527–1/–2   |
| Stress at break                           | 125 / –      | MPa        | ISO 527–1/–2   |
| Strain at break                           | 3.1 / –      | %          | ISO 527–1/–2   |
| Charpy impact strength (+23°C)            | 35 / –       | kJ/m²      | ISO 179/1eU    |
| Charpy notched impact strength (+23°C)    | 6.5 / –      | kJ/m²      | ISO 179/1eA    |
| Izod notched impact strength (+23°C)      | 6 / –        | kJ/m²      | ISO 180/1A     |
| THERMAL PROPERTIES                        |              | DRY / COND |                |
| Melting temperature (10°C/min)            | 220 / *      | °C         | ISO 11357–1/–3 |
| Temp. of deflection under load (1.80 MPa) | 190 / *      | °C         | ISO 75–1/–2    |
| Temp. of deflection under load (0.45 MPa) | 210 / *      | °C         | ISO 75–1/–2    |
| OTHER PROPERTIES                          |              | DRY / COND |                |
| Density                                   | 1240 / –     | kg/m³      | ISO 1183       |

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