

# Akulon<sup>®</sup> N24–GM42

## PA6–(GF+MD)

20% Glass Reinforced, 10% Mineral Reinforced

| PROPERTIES                                | TYPICAL DATA      | UNIT  | TEST METHOD    |
|-------------------------------------------|-------------------|-------|----------------|
| <b>RHEOLOGICAL PROPERTIES</b>             | <b>DRY / COND</b> |       |                |
| Molding shrinkage (parallel)              | 0.44 / *          | %     | ISO 294–4      |
| Molding shrinkage (normal)                | 1.1 / *           | %     | ISO 294–4      |
| <b>MECHANICAL PROPERTIES</b>              | <b>DRY / COND</b> |       |                |
| Tensile modulus                           | 8900 / –          | MPa   | ISO 527–1/–2   |
| Stress at break                           | 130 / –           | MPa   | ISO 527–1/–2   |
| Strain at break                           | 2.7 / –           | %     | ISO 527–1/–2   |
| Charpy impact strength (+23°C)            | 50 / –            | kJ/m² | ISO 179/1eU    |
| Charpy notched impact strength (+23°C)    | 6.7 / –           | kJ/m² | ISO 179/1eA    |
| <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) | 200 / *           | °C    | ISO 75–1/–2    |
| Temp. of deflection under load (0.45 MPa) | 215 / *           | °C    | ISO 75–1/–2    |
| <b>OTHER PROPERTIES</b>                   | <b>DRY / COND</b> |       |                |
| Density                                   | 1350 / –          | kg/m³ | ISO 1183       |