

# Tufnyl® RXXIC Natural

## PA66

Unreinforced, Injection Molding

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| PROPERTIES                                | TYPICAL DATA                | UNIT  | TEST METHOD    |
|-------------------------------------------|-----------------------------|-------|----------------|
| <strong>RHEOLOGICAL PROPERTIES</strong>   | <strong>DRY / COND</strong> |       |                |
| Molding shrinkage (parallel)              | 1.8 / *                     | %     | ISO 294-4      |
| Molding shrinkage (normal)                | 1.8 / *                     | %     | ISO 294-4      |
| <strong>MECHANICAL PROPERTIES</strong>    | <strong>DRY / COND</strong> |       |                |
| Stress at break                           | 75 / -                      | MPa   | ISO 527-1/-2   |
| Strain at break                           | 15 / -                      | %     | ISO 527-1/-2   |
| Flexural modulus                          | 2500 / -                    | MPa   | ISO 178        |
| Flexural strength                         | 110 / -                     | MPa   | ISO 178        |
| Izod notched impact strength (+23°C)      | 5 / -                       | kJ/m² | ISO 180/1A     |
| <strong>THERMAL PROPERTIES</strong>       | <strong>DRY / COND</strong> |       |                |
| Melting temperature (10°C/min)            | 260 / *                     | °C    | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 55 / *                      | °C    | ISO 75-1/-2    |
| <strong>OTHER PROPERTIES</strong>         | <strong>DRY / COND</strong> |       |                |
| Density                                   | 1140 / -                    | kg/m³ | ISO 1183       |

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