

| Mechanical properties         | dry / cond  | Unit              | Test Standard |
|-------------------------------|-------------|-------------------|---------------|
| <b>ISO Data</b>               |             |                   |               |
| Tensile Modulus               | 6000 / 3900 | MPa               | ISO 527       |
| Stress at break               | 100 / 70    | MPa               | ISO 527       |
| Strain at break               | 3 / 4       | %                 | ISO 527       |
| Charpy impact strength, +23°C | 60 / 53     | kJ/m <sup>2</sup> | ISO 179/1eU   |

| Thermal properties                       | dry / cond | Unit | Test Standard  |
|--|------------|------|----------------|
| <b>ISO Data</b>                          |            |      |                |
| Melting temperature, 10°C/min            | 243 / *    | °C   | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 90 / *     | °C   | ISO 75-1/-2    |
| Temp. of deflection under load, 0.45 MPa | 140 / *    | °C   | ISO 75-1/-2    |
| Glow Wire Flammability Index (GWFI)      | 960        | °C   | IEC 60695-2-12 |
| GWFI - thickness tested (1)              | 1.5        | mm   | -              |

| Electrical properties       | dry / cond | Unit  | Test Standard |
|-----------------------------|------------|-------|---------------|
| <b>ISO Data</b>             |            |       |               |
| Relative permittivity, 1MHz | 3.7 / -    | -     | IEC 62631-2-1 |
| Dissipation factor, 1MHz    | 300 / -    | E-4   | IEC 62631-2-1 |
| Volume resistivity          | 1E14 / -   | Ohm*m | IEC 62631-3-1 |
| Comparative tracking index  | 600 / 600  | -     | IEC 60112     |

| Other properties    | dry / cond | Unit              | Test Standard  |
|---------------------|------------|-------------------|----------------|
| Water absorption    | 7 / *      | %                 | Sim. to ISO 62 |
| Humidity absorption | 2.6 / *    | %                 | Sim. to ISO 62 |
| Density             | 1350 / -   | kg/m <sup>3</sup> | ISO 1183       |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 80        | °C   | -             |
| Pre-drying - Time                           | 2 - 4     | h    | -             |
| Processing humidity                         | ≤0.15     | %    | -             |
| Melt temperature                            | 270 - 290 | °C   | -             |
| Mold temperature                            | 70 - 90   | °C   | -             |

## Characteristics

### Processing

Injection Molding

### Special Characteristics

Flame retardant

### Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa