

| Processing/Physical Characteristics         | dry / cond | Unit               | Test Standard       |
|---|------------|--------------------|---------------------|
| <b>ISO Data</b>                             |            |                    |                     |
| Molding shrinkage, parallel                 | 0.6 / *    | %                  | ISO 294-4, 2577     |
| Molding shrinkage, normal                   | 1.0 / *    | %                  | ISO 294-4, 2577     |
| Mechanical properties                       | dry / cond | Unit               | Test Standard       |
| <b>ISO Data</b>                             |            |                    |                     |
| Tensile Modulus                             | 6100 / 850 | MPa                | ISO 527             |
| Yield stress                                | 140 / 80   | MPa                | ISO 527             |
| Yield strain                                | 3.5 / 12   | %                  | ISO 527             |
| Stress at break                             | 130 / 85   | MPa                | ISO 527             |
| Strain at break                             | 3 / 10     | %                  | ISO 527             |
| Charpy impact strength, +23°C               | 40 / 60    | kJ/m <sup>2</sup>  | ISO 179/1eU         |
| Charpy impact strength, -30°C               | 38 / 38    | kJ/m <sup>2</sup>  | ISO 179/1eU         |
| Charpy notched impact strength, +23°C       | 8 / 11     | kJ/m <sup>2</sup>  | ISO 179/1eA         |
| Charpy notched impact strength, -30°C       | 7 / 7      | kJ/m <sup>2</sup>  | ISO 179/1eA         |
| Thermal properties                          | dry / cond | Unit               | Test Standard       |
| <b>ISO Data</b>                             |            |                    |                     |
| Melting temperature, 10°C/min               | 260 / *    | °C                 | ISO 11357-1/-3      |
| Temp. of deflection under load, 1.80 MPa    | 235 / *    | °C                 | ISO 75-1/-2         |
| Temp. of deflection under load, 0.45 MPa    | 250 / *    | °C                 | ISO 75-1/-2         |
| Temp. of deflection under load, 8.00 MPa    | 70 / *     | °C                 | ISO 75-1/-2         |
| Coeff. of linear therm. expansion, parallel | 34 / *     | E-6/K              | ISO 11359-1/-2      |
| Coeff. of linear therm. expansion, normal   | 70 / *     | E-6/K              | ISO 11359-1/-2      |
| Burning behav. at thickness h               | HB / *     | class              | IEC 60695-11-10     |
| Thickness tested                            | 0.8 / *    | mm                 | -                   |
| Electrical properties                       | dry / cond | Unit               | Test Standard       |
| <b>ISO Data</b>                             |            |                    |                     |
| Relative permittivity, 1MHz                 | - / 3.5    | -                  | IEC 62631-2-1       |
| Volume resistivity                          | - / 1E13   | Ohm*m              | IEC 62631-3-1       |
| Surface resistivity                         | * / 1E10   | Ohm                | IEC 62631-3-2       |
| Comparative tracking index                  | - / 550    | -                  | IEC 60112           |
| Other properties                            | dry / cond | Unit               | Test Standard       |
| Water absorption                            | 7 / *      | %                  | Sim. to ISO 62      |
| Humidity absorption                         | 2.3 / *    | %                  | Sim. to ISO 62      |
| Density                                     | 1230 / -   | kg/m <sup>3</sup>  | ISO 1183            |
| Material specific properties                | dry / cond | Unit               | Test Standard       |
| <b>ISO Data</b>                             |            |                    |                     |
| Viscosity number                            | 145 / *    | cm <sup>3</sup> /g | ISO 307, 1157, 1628 |

## Characteristics

### Regional Availability

Europe